Pettingell-Andrews
Company
BOSTON

No. 5 Fixture Catalog

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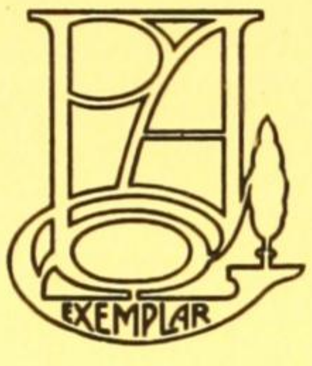
LIGHTING · FIXTURES

FOR

THE · HOME · THE · CHURCH
AND · PUBLIC · BUILDINGS



PETTINGELL · ANDREWS · COMPANY
MAKERS · OF · LIGHTING · FIXTURES
BOSTON · MASSACHUSETTS · U·S·A

PROLOG

UNSEEN, unheard, the rains of a thousand years fell upon a stone. In the end a hollow place was worn, and after that, when fell the rain, it stayed therein a little space. . . . . .

In after years a man chanced by—when man he came to be—and looked thereon, and thought. . .

A friendly fish, more daring than the rest, supplied the oil; a piece of moss, sun-dried, the wick. One stone against another he struck then, until a spark came forth, as he had seen it come before. . . .

And thus THE LAMP was born.

Copyright, 1910, Pettingell-Andrews Company, Boston

TO YOU, who, in a search for the appropriate and harmonious in lighting fixtures, would fain catch the spirit which inspired their varied and beautiful designs, we say: Pick up the "Journal of the Plague Year" or other historic volume of its time — and conjure up for the moment a vision of the London of three hundred odd years ago. What is the picture that imagination paints, as you turn the pages of Defoe's immortal classic?

Unpaved, unkempt streets, at nightfall dark as pitch, save for the fitful flare of occasional flambeaux, as some great noble, closely attended by his well-armed bodyguard, goes roystering home from a court ball.

Visit the same scene in London today. A splendid pavement is under foot; the quarrelsome bodyguards replaced by the solitary policeman at the crossing; the streets ablaze with illumination from store window and flaming arc lamp.

Behold — our estimate of these two periods has been in terms of light! And well so — for the interval between the torch and candle of Defoe's day and the electric lamp of our own is the measure of civilization's progress from crude beginnings to a truly marvelous union of efficiency and art.

In this mighty evolution, architecture and architects have played a not unimportant part. As homes and buildings grew stately in outward form, the embellishments of their interiors — the woodwork, the wall coverings, the rugs, the pictures, the lighting fixtures — reflected ever higher standards of artistry. Thus with artificial lighting still in its infancy, its architectural settings had already flowered into forms of wondrous beauty.

In art — as in life — the bad soon passes away; the good alone survives. And so passed away, each in turn, flaming torch, sputtering candle, flaring oil lamp. And though in later days, while gas reigned as illuminant, art was sacrificed to the unæsthetic fixtures which gas made necessary, history again proved the dictum that whatever is pure and harmonious can never long remain dormant. With the dawn then of the electric lamp the cycle was complete, and fixture evolution witnessed the triumphant development of the torch bracket from the medieval flambeaux, the progression of candle holder to the sconce, the perfection of the carcel effect from the old oil lamp.

And so at length it has again become possible to obtain a perfect union of art and science — to originate, as on the plate pages of this portfolio, designs preserving with fidelity the beauty and the feeling of the historic periods of which they are examples — in distinctive forms that well meet the exacting lighting requirements of the present day.

. . . . . .

A careful reading of the pages immediately following will, we believe, furnish a key to the better understanding of this book — of its mission in behalf of harmony in interior decoration — and the value of the service we can render as leading manufacturers of lighting fixtures.

WE CALL a man or woman well dressed when no detail of costume attracts undue attention, but where all the elements of style are appropriate and suited to each other.

Homes and public buildings are likewise attractive only when there is a perfect suitability and harmony of the many elements included under the head of "interior decoration."

While no one of these elements should be unduly prominent, the fixtures as sources of illumination naturally attract the most attention, and serve as a setting for all the others. Hence to fit into your decorative scheme, pieces of metal or of wood to hold that important medium, the electric lamp, without introducing an element of discord, demands standards of manufacture that include something more than mere commercialism — standards that require and receive a financial return at least partly commensurate with the greater thought and skill involved.

Convincing proof of our manufacturing standards is afforded by this portfolio, with its more than four hundred illustrations that include many examples from every decorative period in vogue today. Unusual, indeed, is the condition not perfectly met by one or more of these designs, at prices ranging from the simple bracket at a dollar and a quarter to the pretentious three hundred dollar chandelier; with the actual fixtures (including many more than it is possible to show in this book) on view in our completely equipped studios.

Back of this extensive line are all the resources of a superior designing organization prepared at all times to submit designs to meet exceptional conditions, and a manufacturing plant complete in every detail, with special departments devoted to modeling, chasing, spinning, plating, and so on.

Particularly worthy of your consideration are our etching and galvano departments. From no other manufacturer can you obtain lighting fixtures with etched ornament — a process which makes the most refined ornament an integral part of the fixture, securing beautifully engraved effects at moderate cost. Illustrations of etched ornament may be seen among the various plates of this book, but are particularly featured in the section illustrating English designs.

Our galvano process represents a modern and most successful way of obtaining exquisite effects in finely chased detail by a process which avoids the uncertain and expensive method of casting in the mold and chasing each individual piece by hand.

A Special Word on Designs

IN THIS portfolio we have departed materially from the custom of the past which made fixture catalogs principally a collection of "standard" designs — designs which had been on the market for ten to fifteen years, and hence were in no sense new or recent.

We particularly call your attention to the fact that the great majority of the pieces shown in this book are less than three years old, while a large number of pieces have been designed and manufactured even more recently — but a few months, in fact, before the issue of this book. We may therefore justly call this the first *modern* fixture catalog.

Combination Gas and Electric Fixtures

Immediately following the section devoted to electric fixtures we show a number of combination gas and electric types of inexpensive design suitable for homes and other buildings. If combination fixtures of a higher type are desired, selections can be made from the regular electric section, and in most cases we can quote prices on these designs, adapted to combination gas and electric, accompanied by rough sketches showing how the gas may be applied.

Glassware and Shades

Our line of shades and glassware is as complete and typical of artistic standards as the fixtures themselves. By obtaining both fixtures and glassware of us, an endless variety of suitable effects can be secured.

Important Notice

All fixtures shown in this catalog with the letter "S" following the number are carried in stock and can be shipped immediately. Fixtures not carried in stock our factory can deliver in from two to five weeks, according to character of design selected.

Price lists are not a part of this book, but will be furnished on request.

Dimensions of spread and extension will be found under or adjoining each illustration. In addition we furnish the approximate scale of each fixture, so that the size of any part of the fixture or glassware may be determined by the application of a rule. Measurements of spread are made from nozzle to nozzle.

For further description of fixtures shown in this book, including complete information on regular and special finishes and extra lengths, see price lists.

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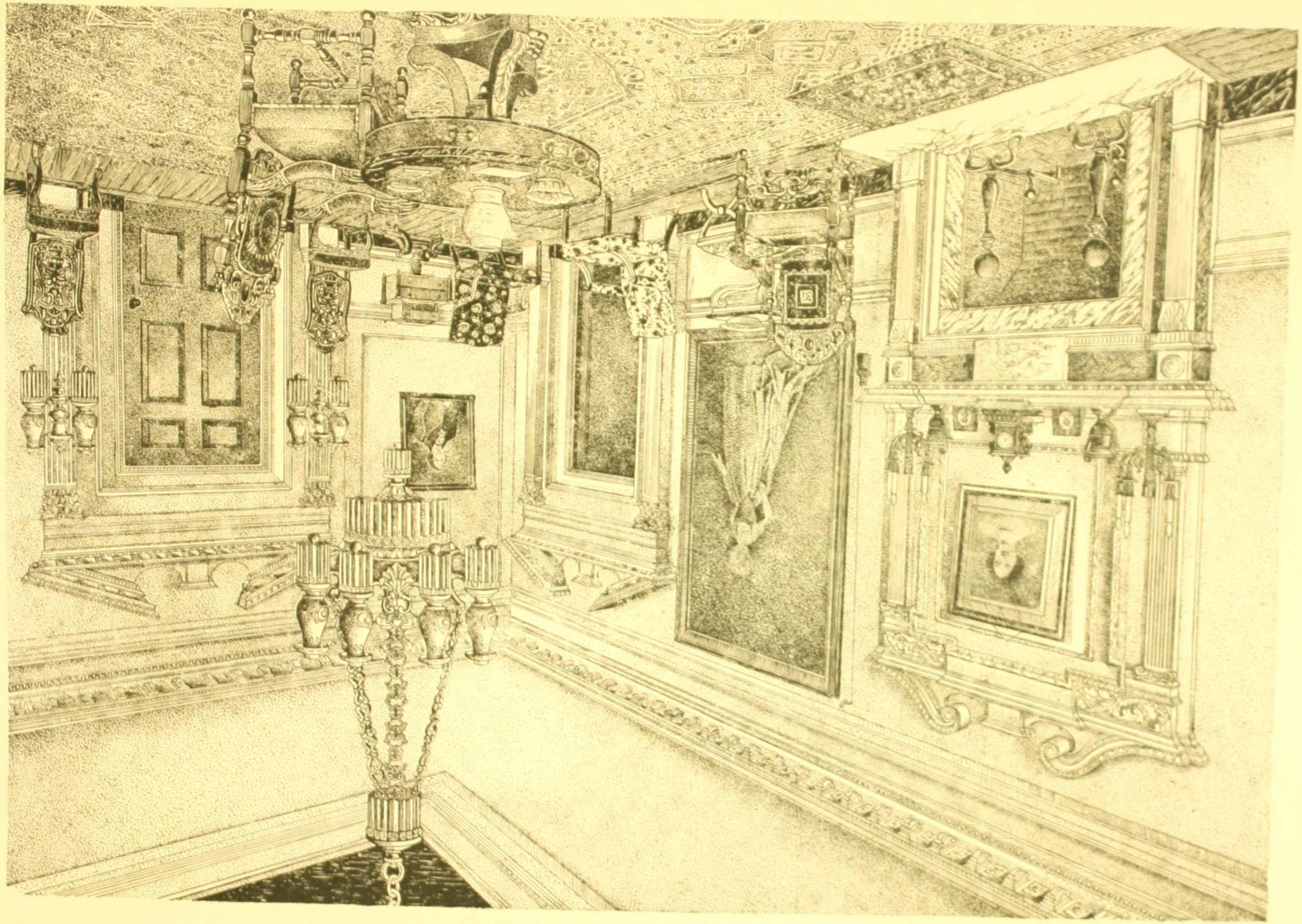
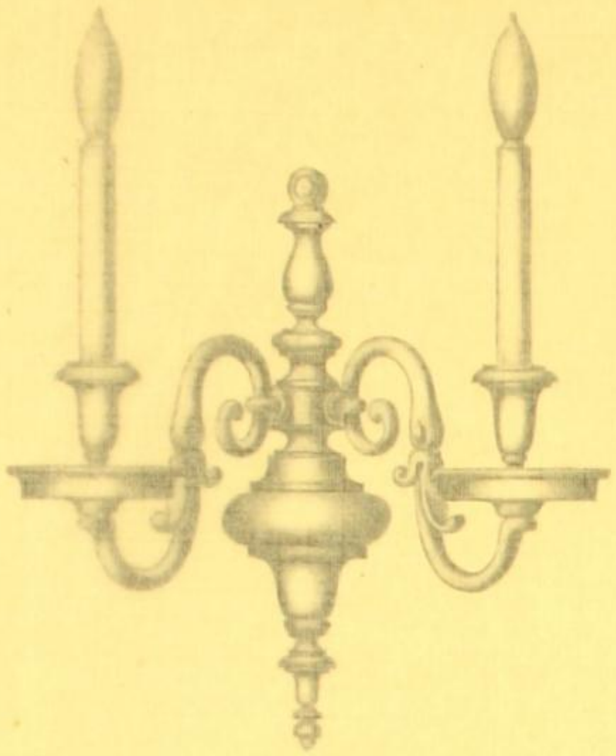
COLONIAL SECTION





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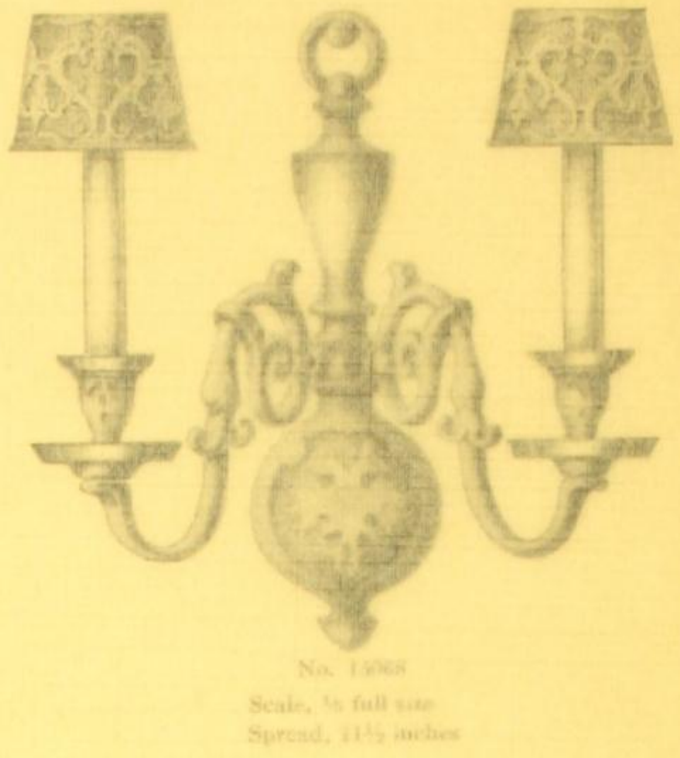
Length, 48 inches



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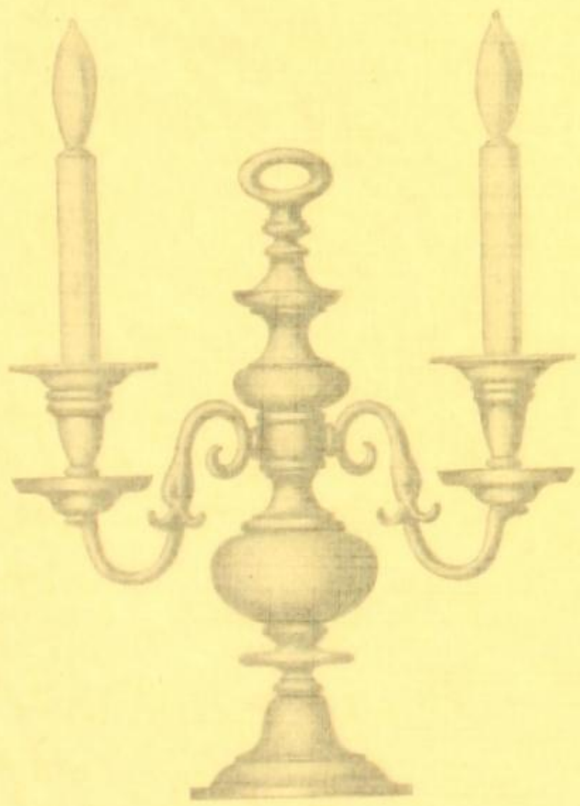

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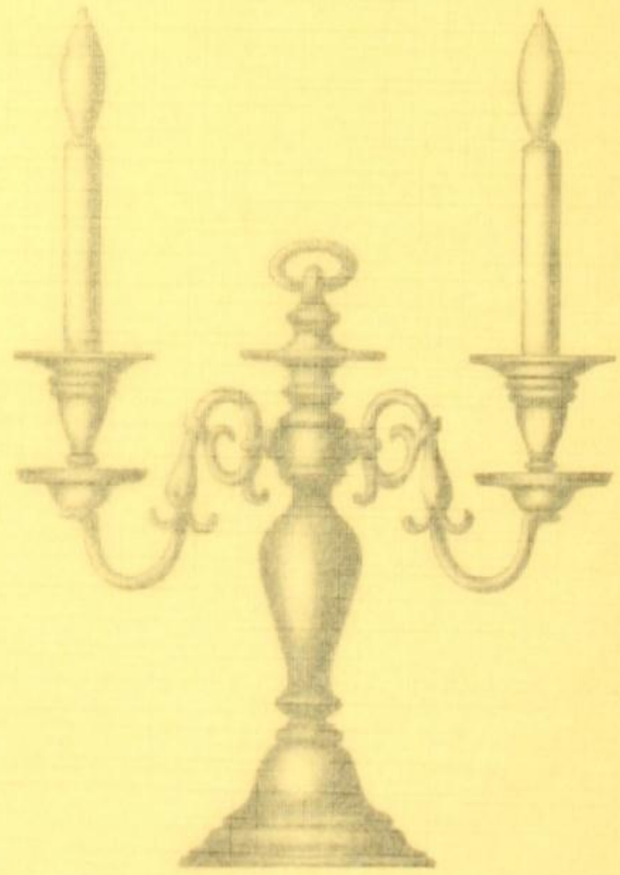

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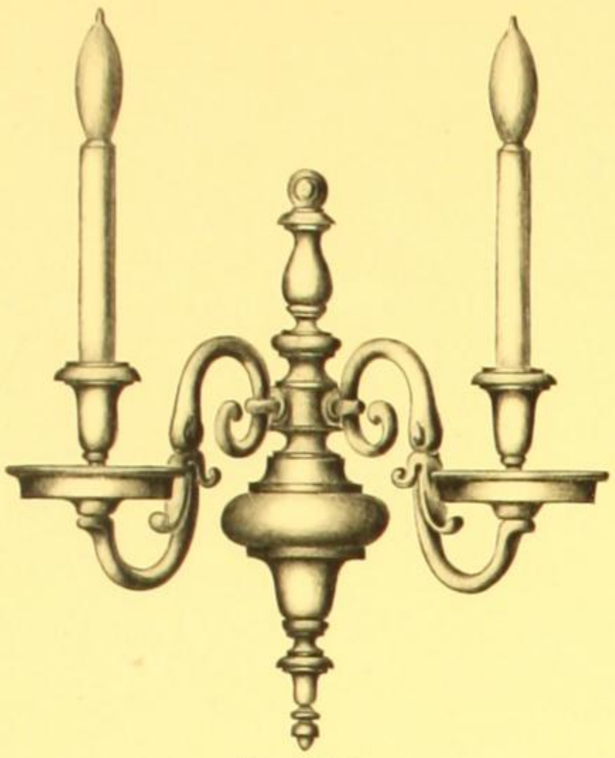

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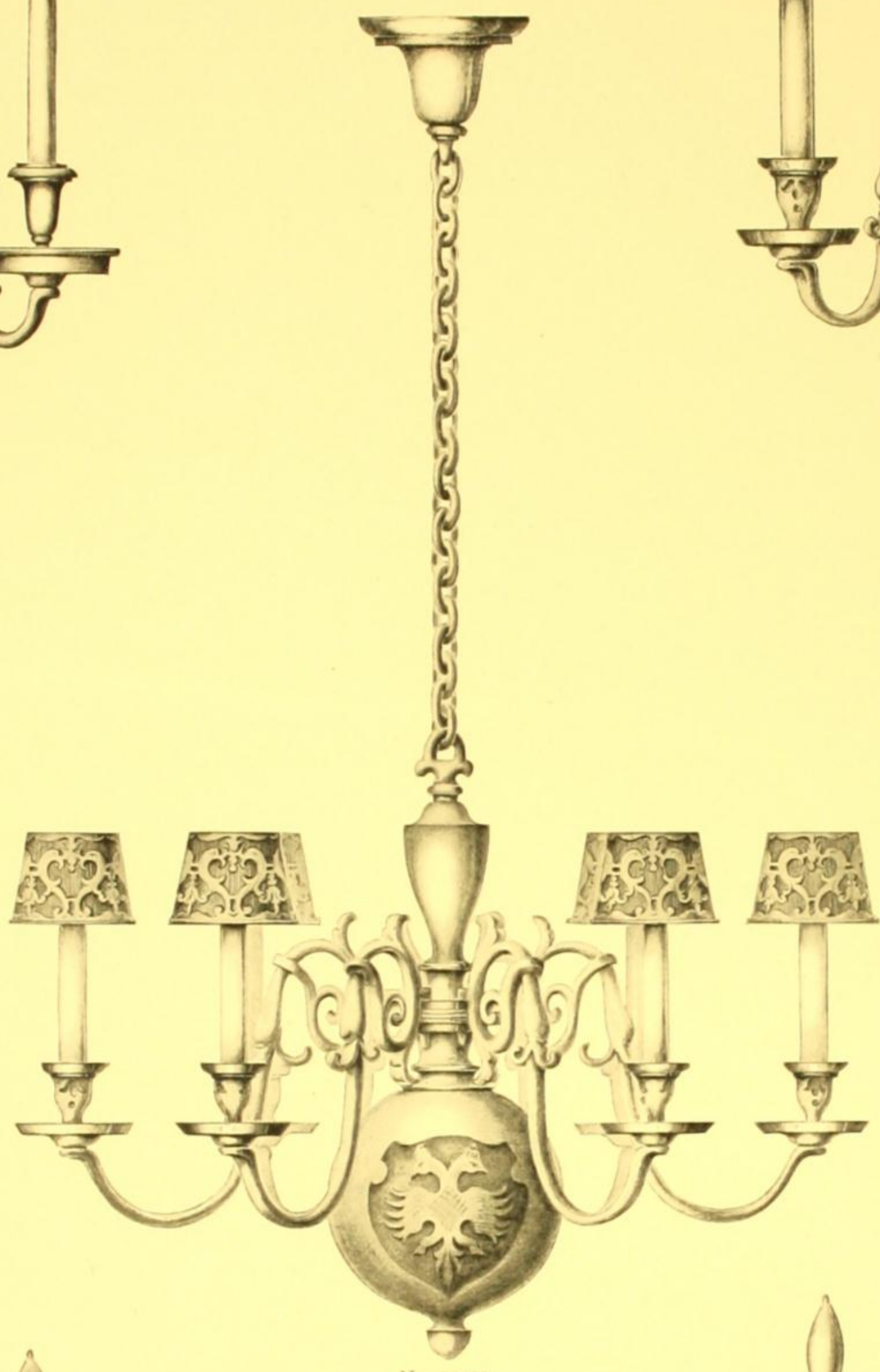

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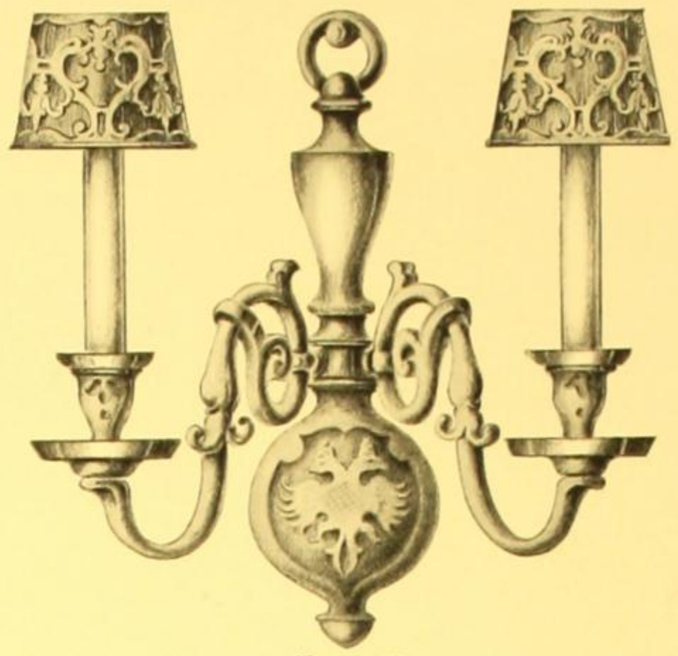

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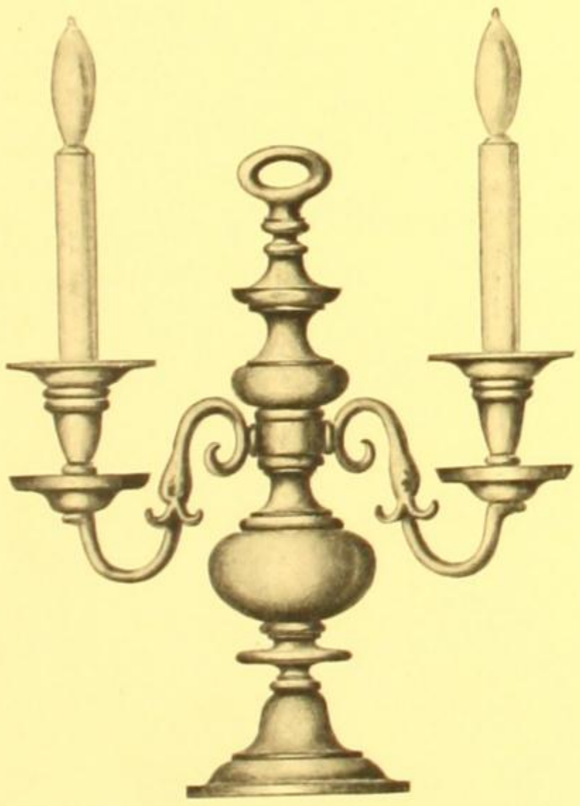

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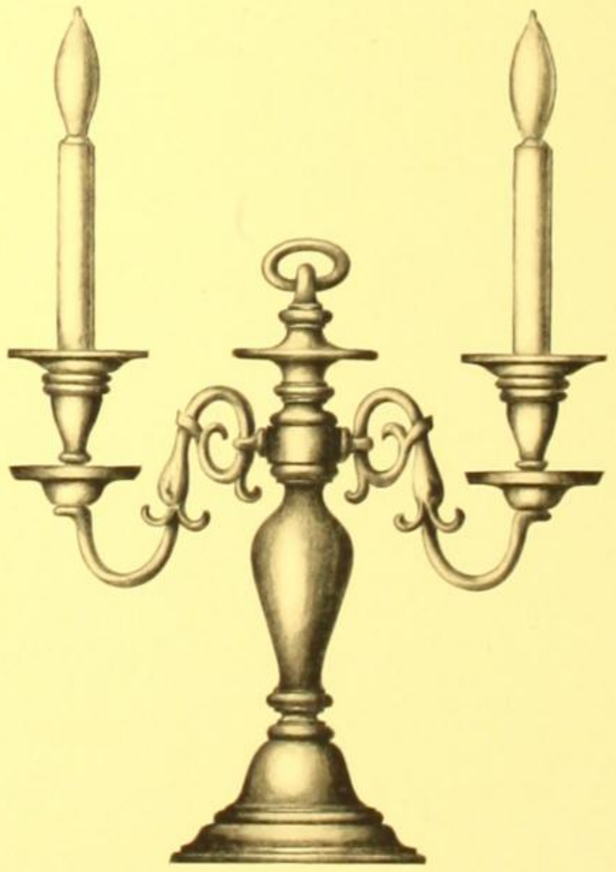

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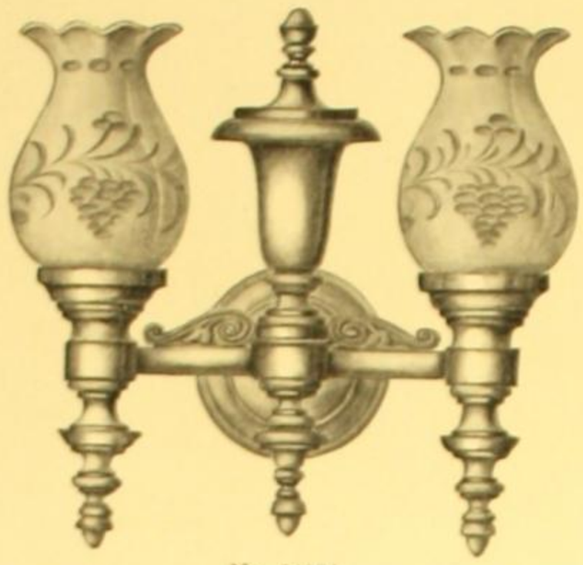

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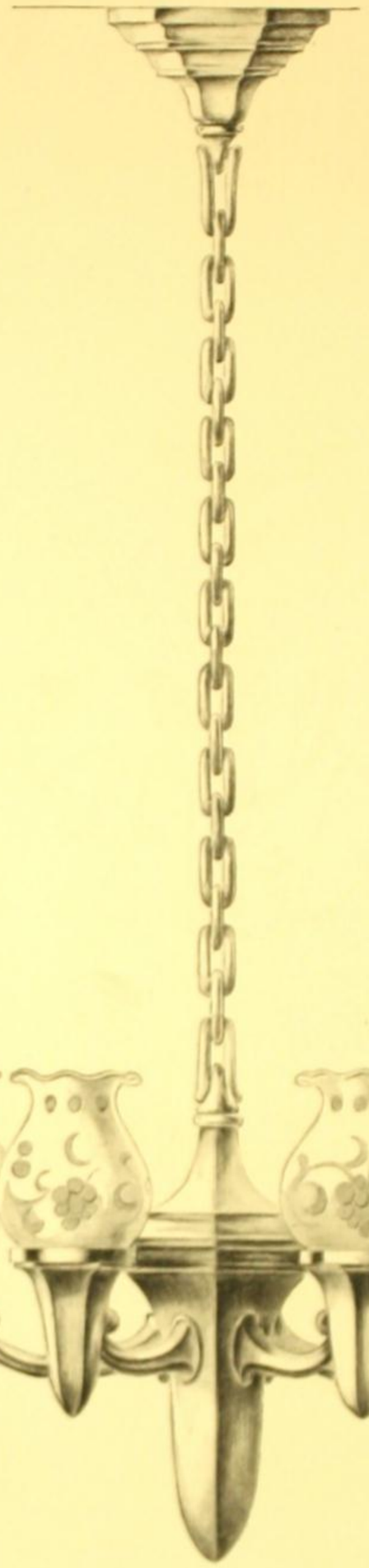

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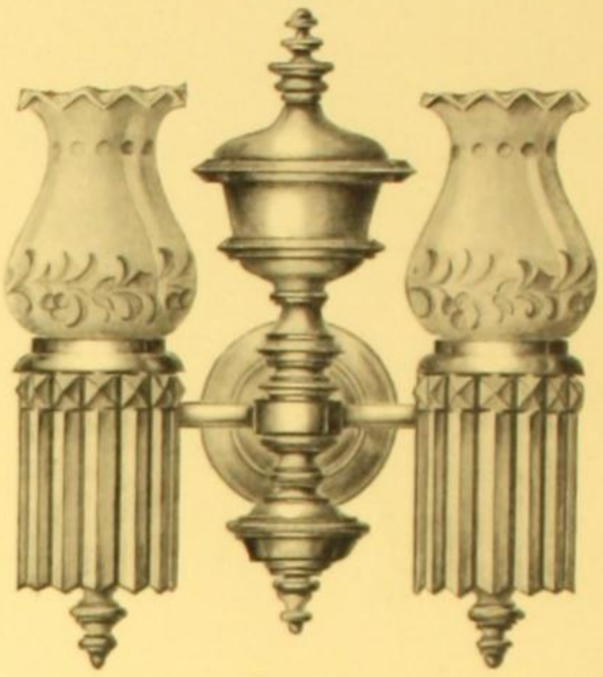

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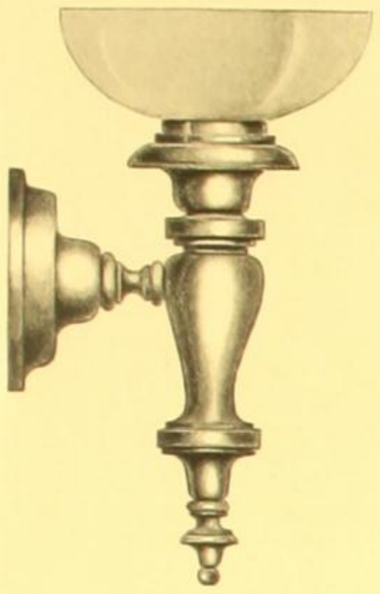

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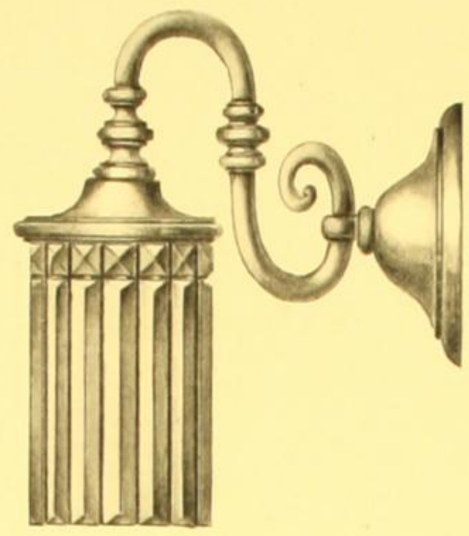

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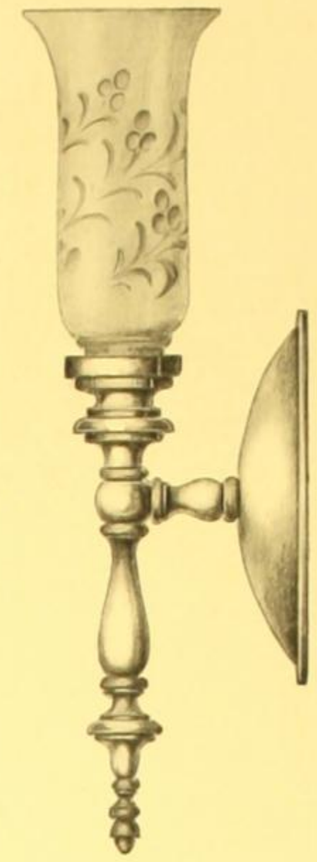

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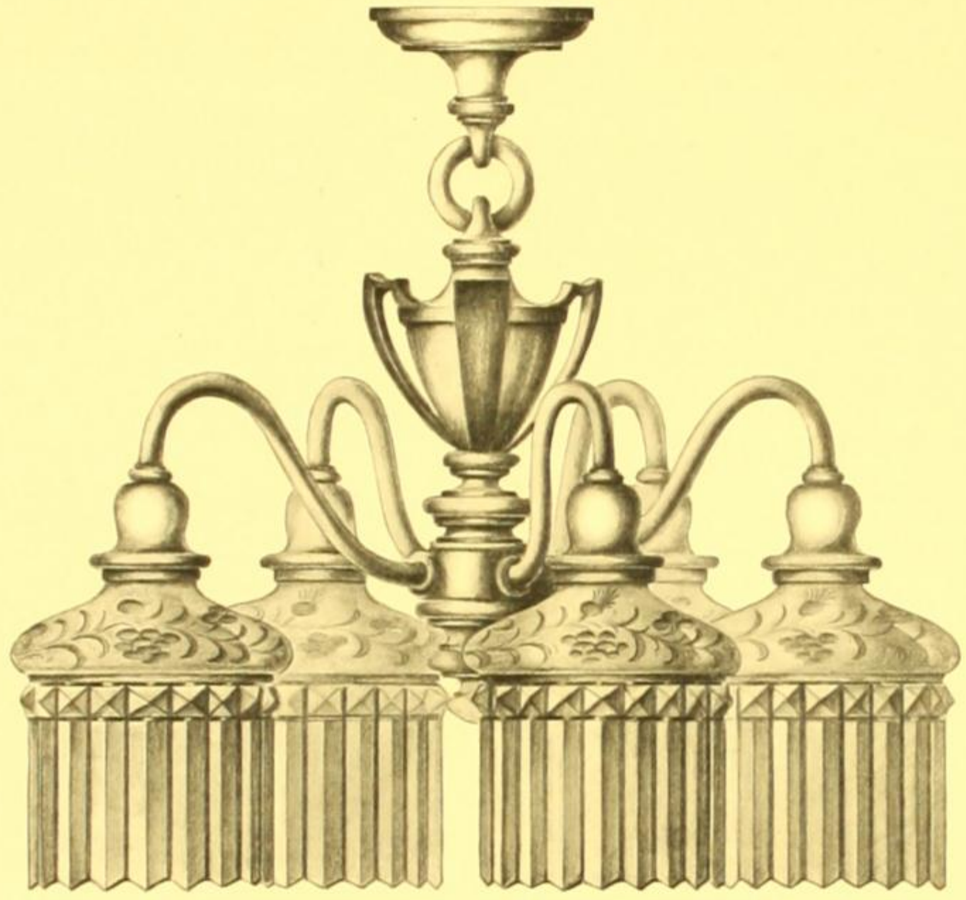

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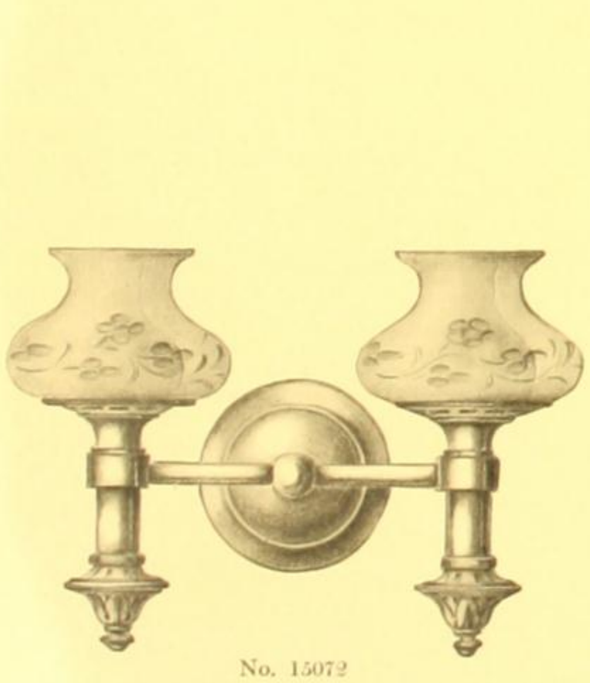

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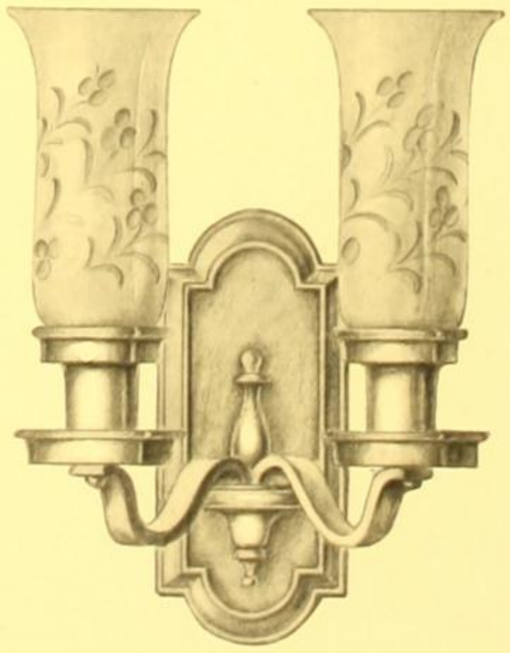

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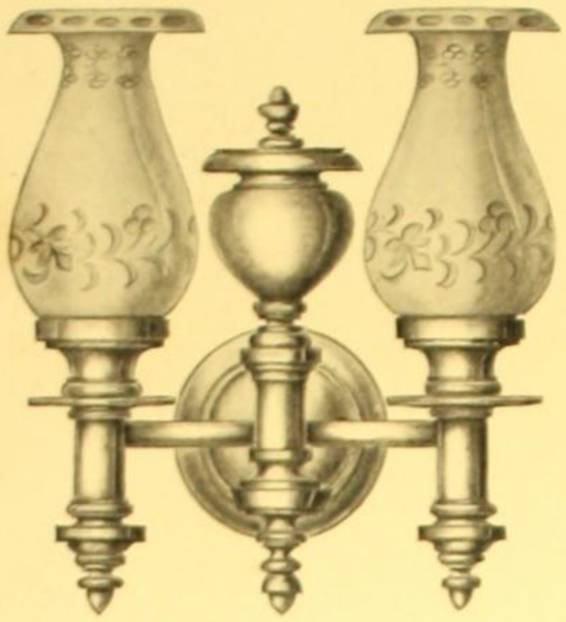

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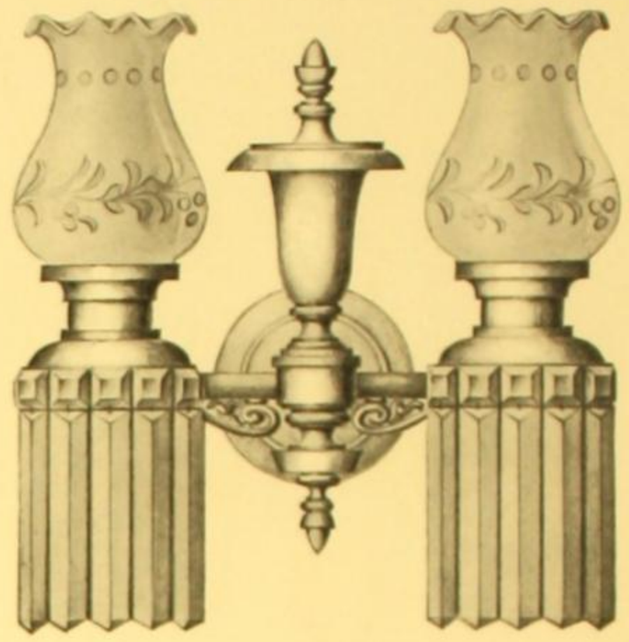

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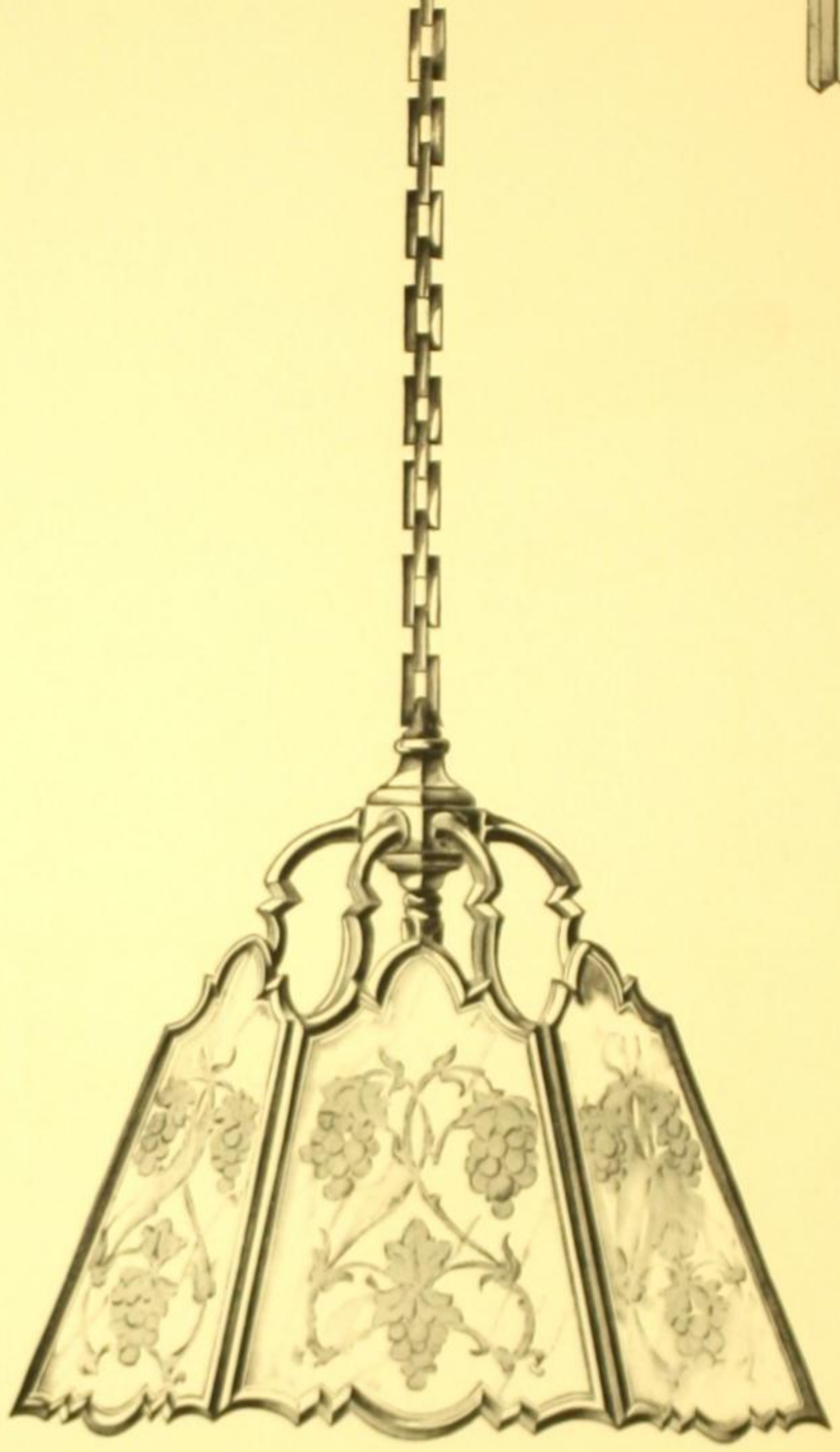

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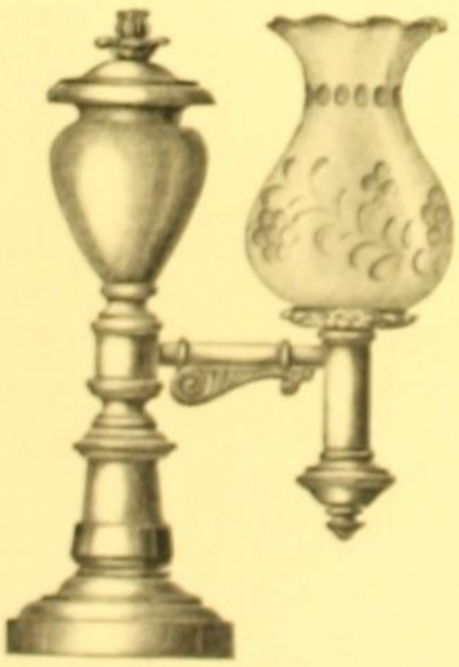

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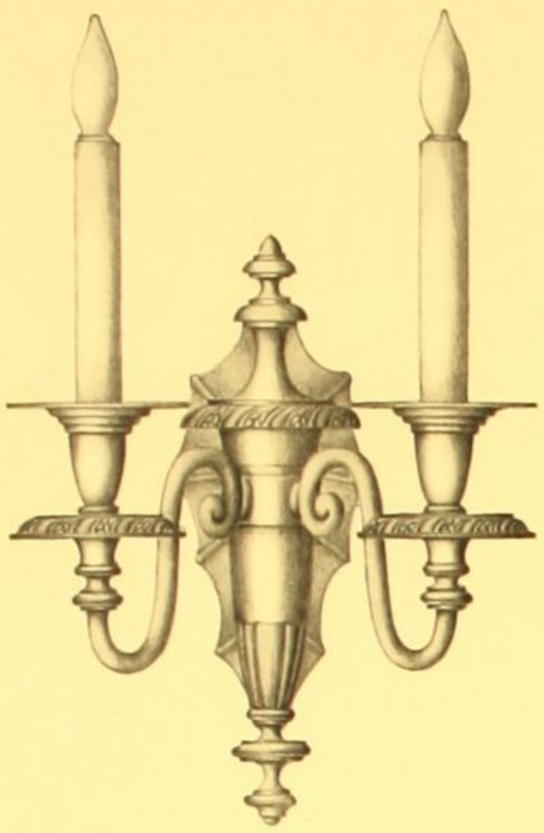

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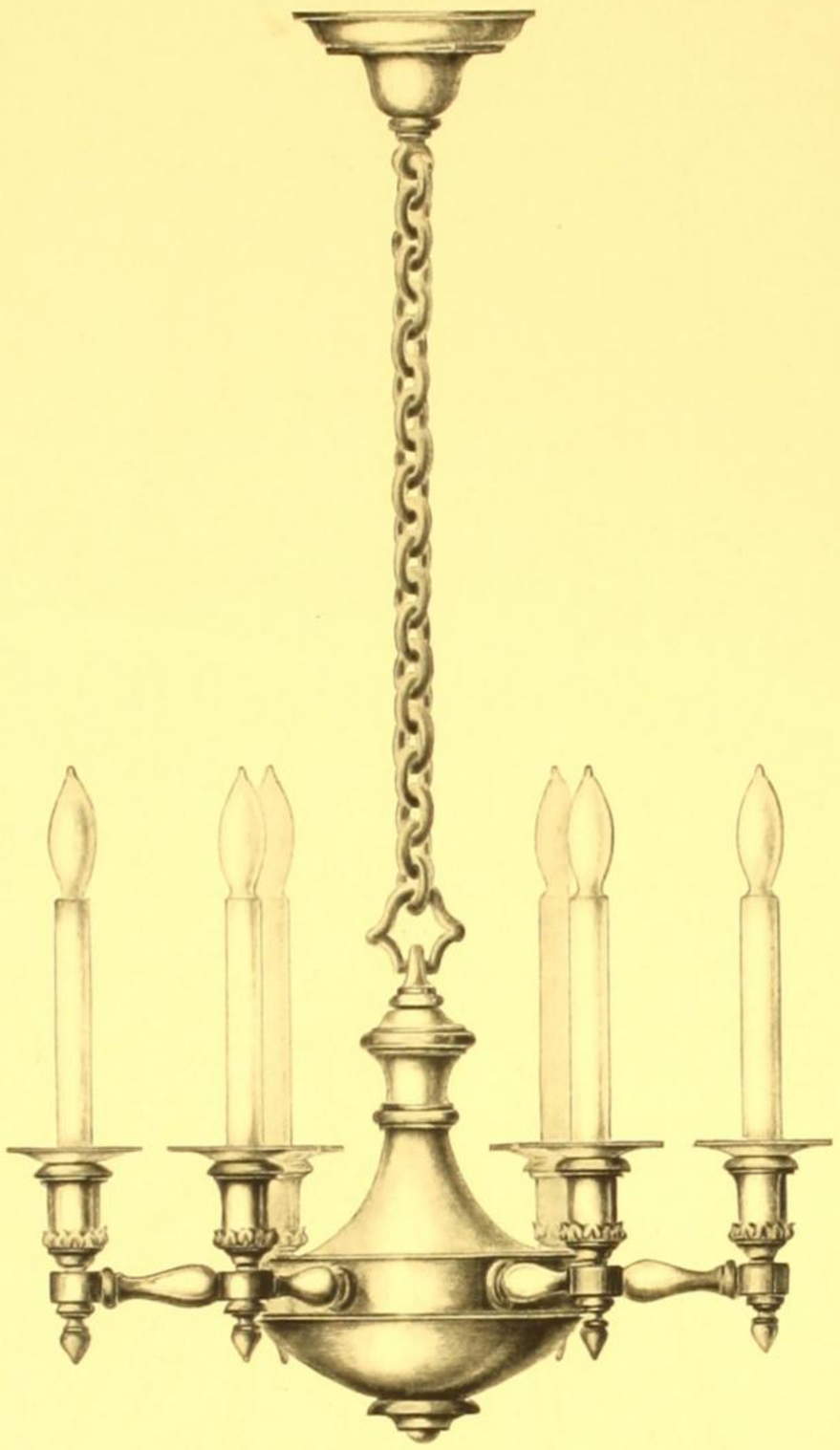

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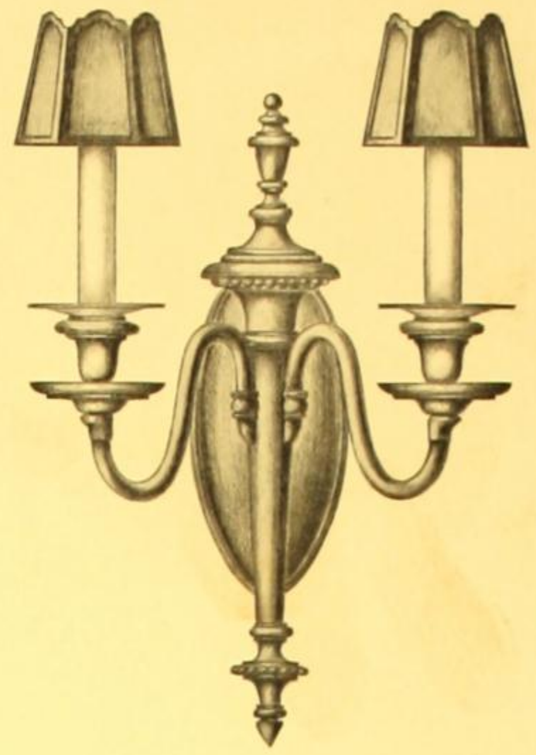

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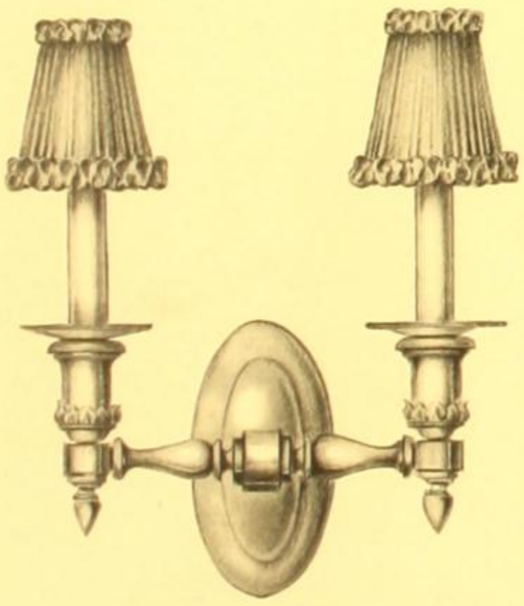

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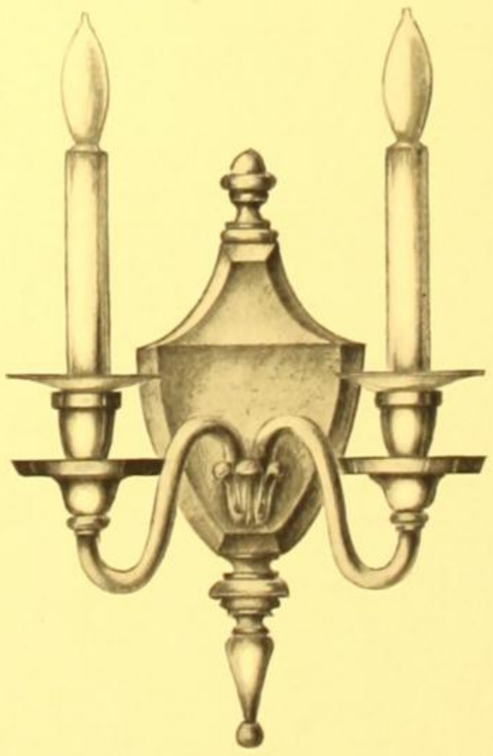

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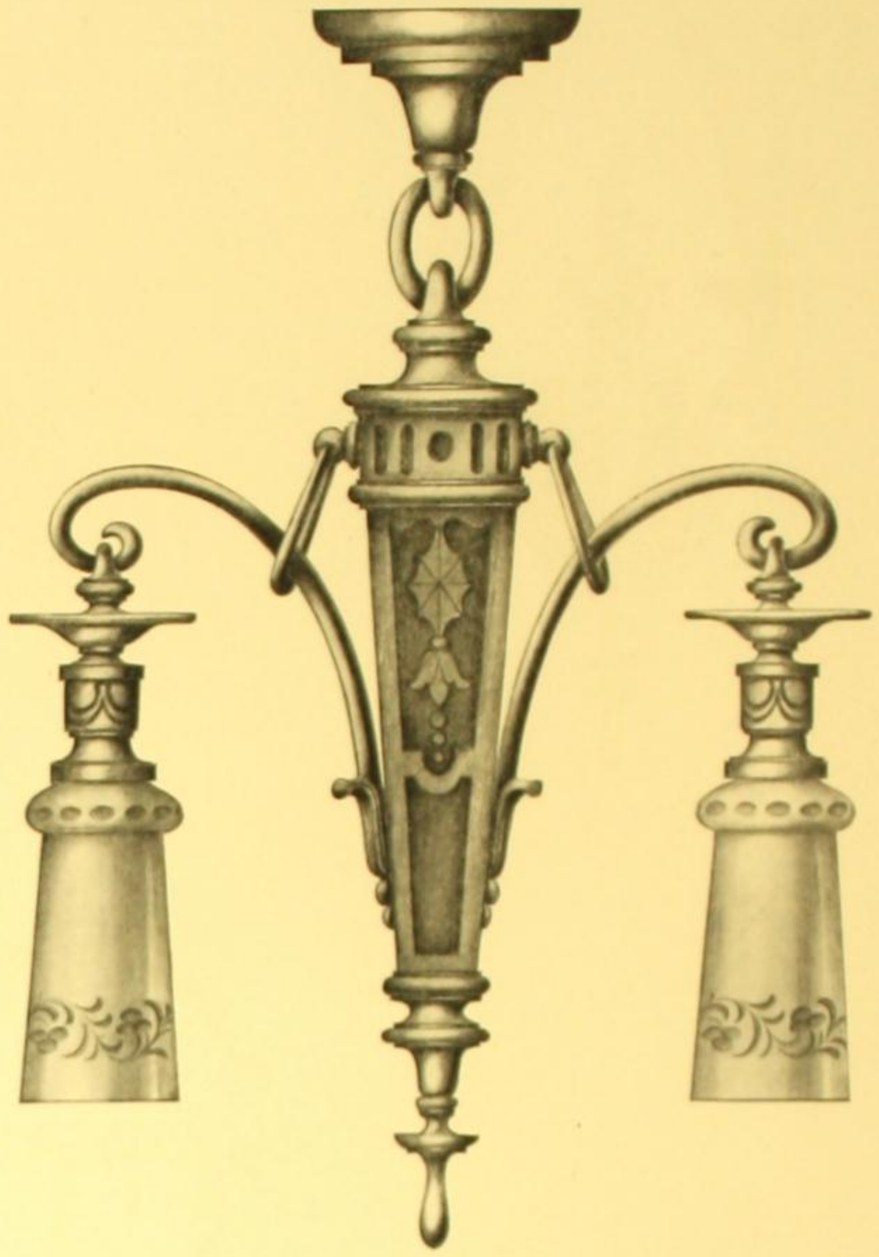

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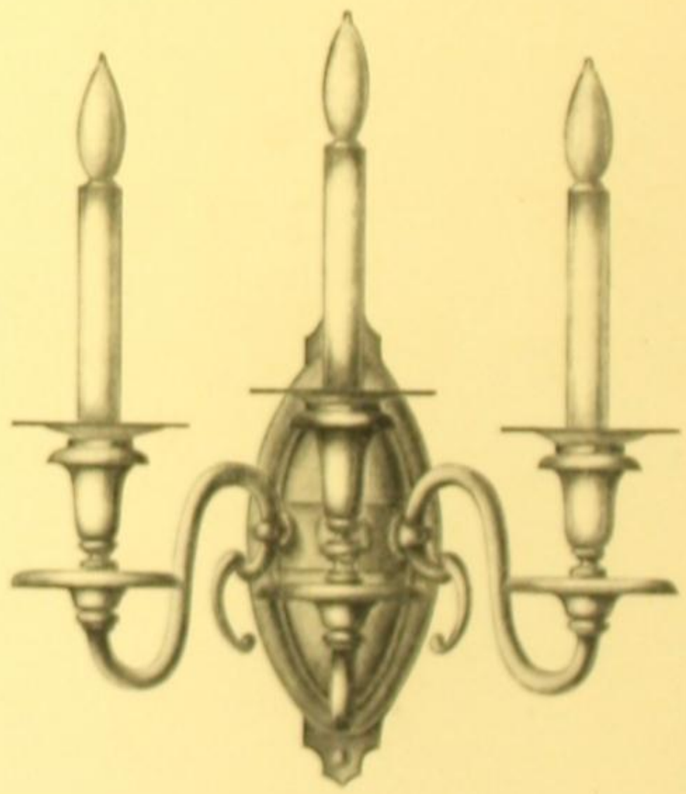

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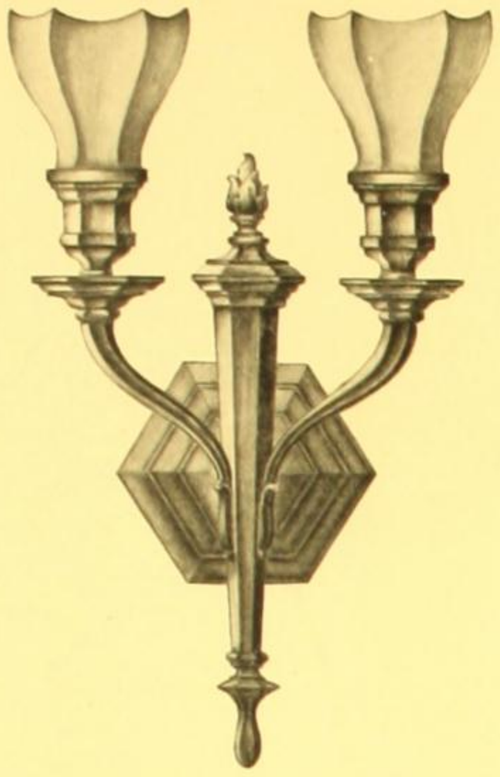

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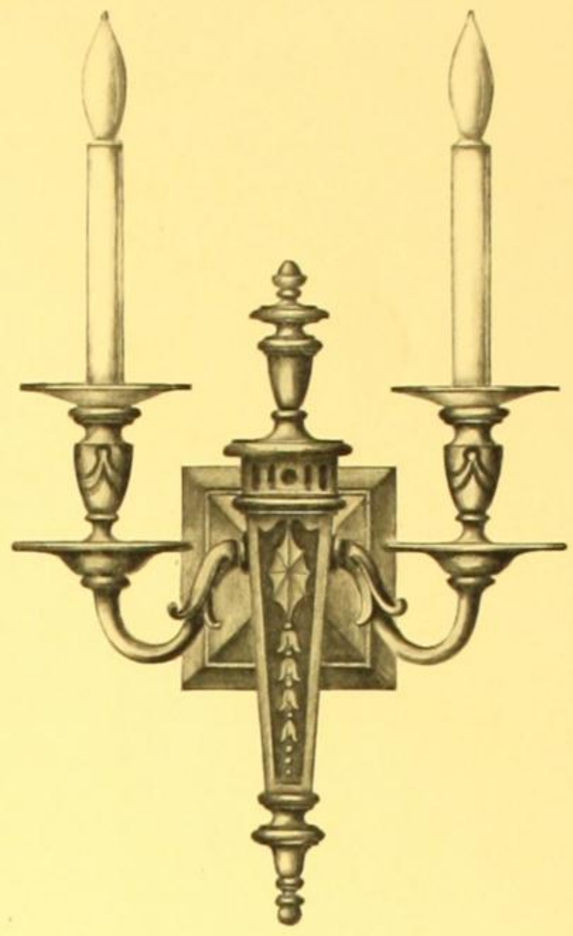

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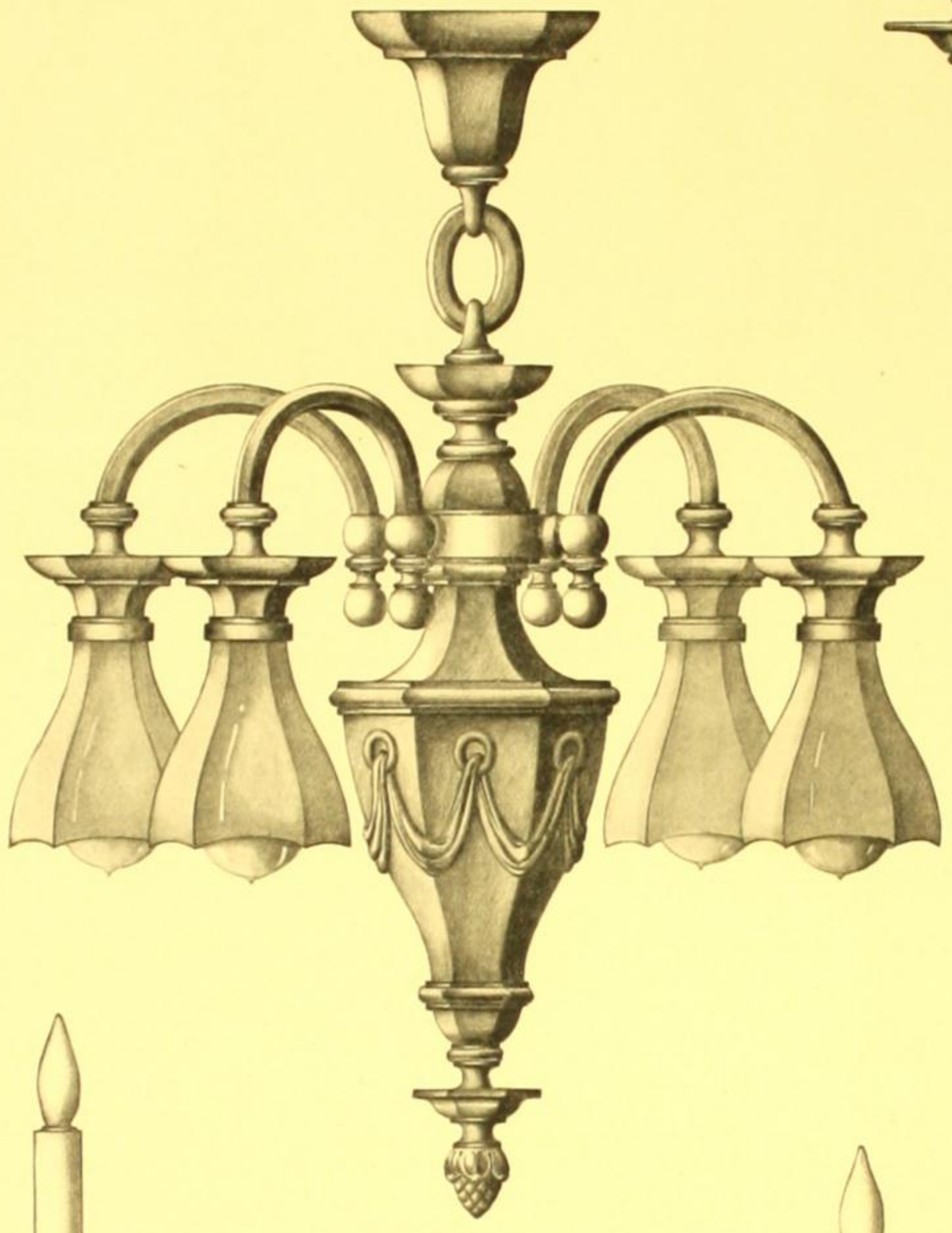

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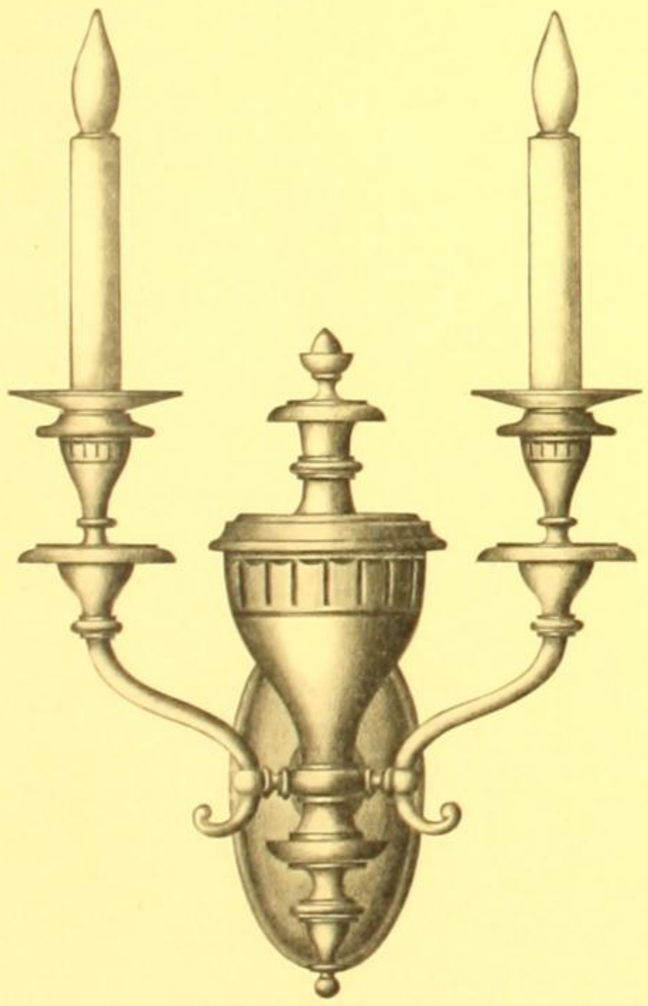

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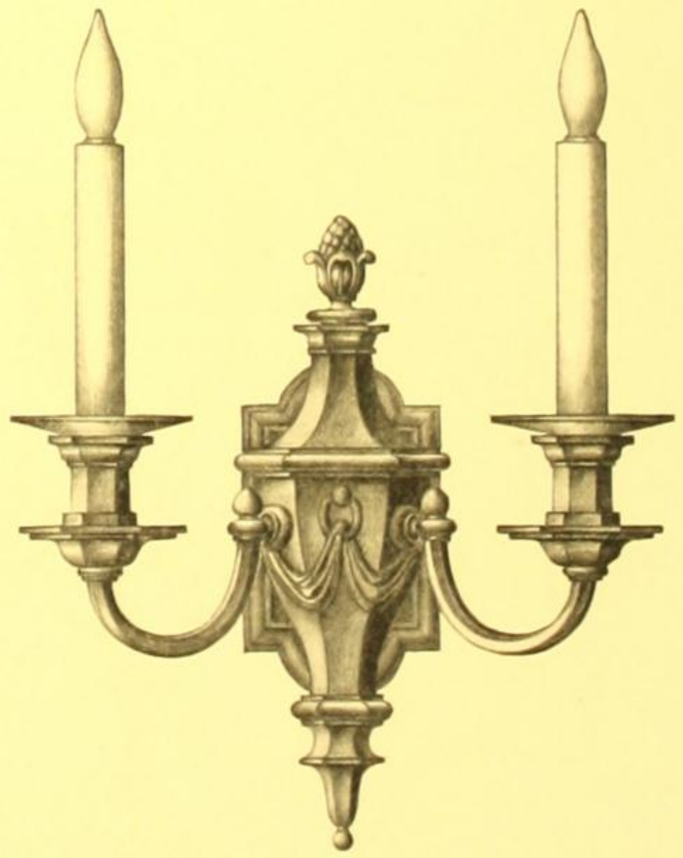

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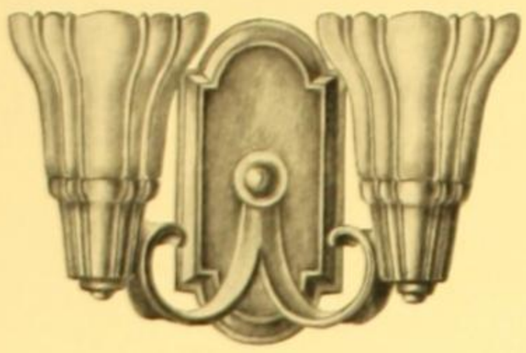

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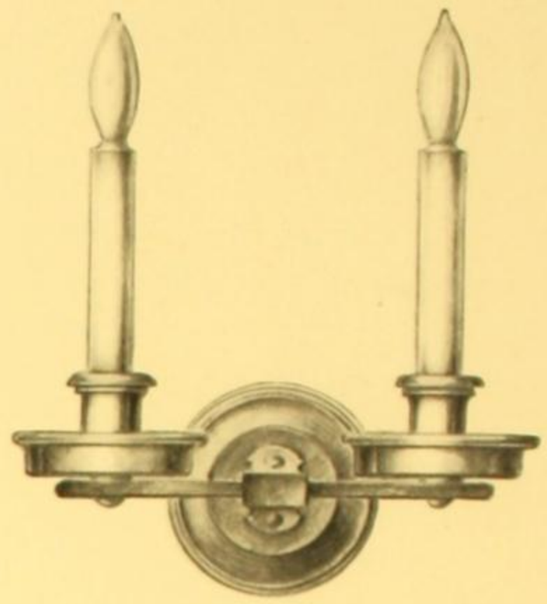
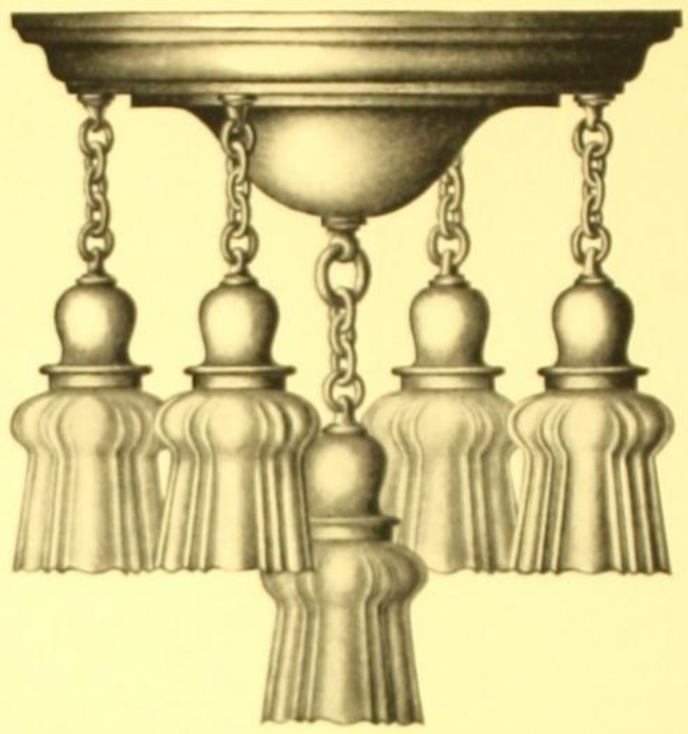
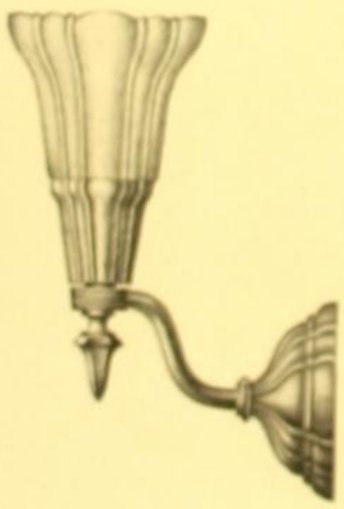


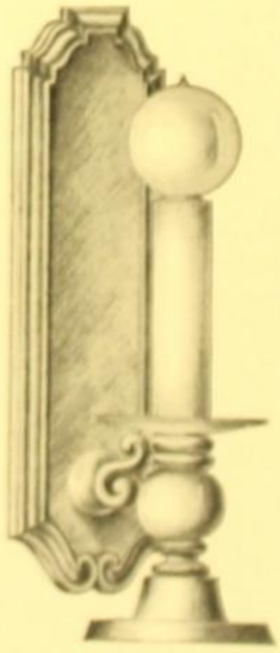
No. 15062
Scale, ⅕ full size
Spread, 7½ inches



No. 13084-S
Scale, ⅕ full size
Spread, 12 inches
Length, 17 inches

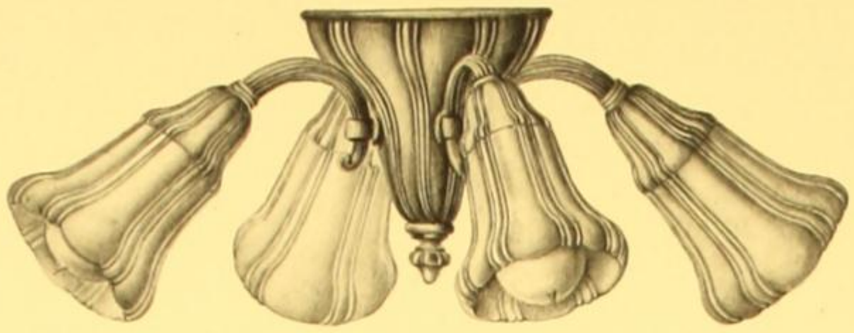


No. 13047-S
Scale, ⅕ full size
Extension, 5½ inches

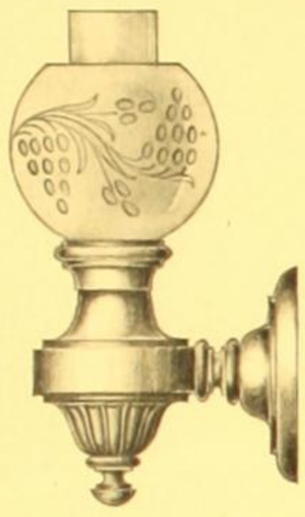


No. 15071
Scale, ⅕ full size
Extension, 3½ inches

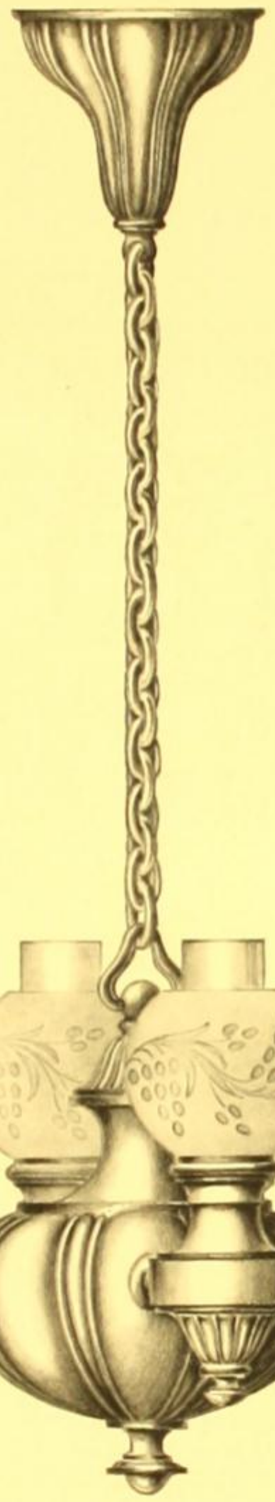
No. 15025-S
Scale, ⅕ full size
Extension, 7 inches

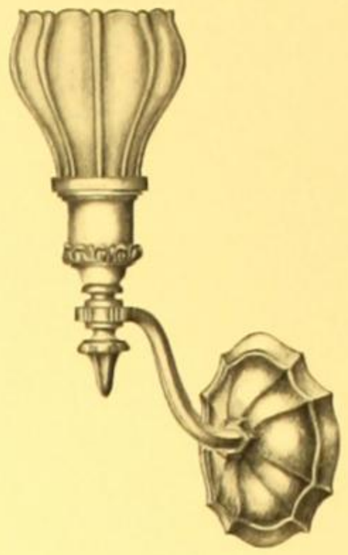


No. 13085-S
Scale, ⅕ full size
Spread, 9½ inches
Length, 7 inches

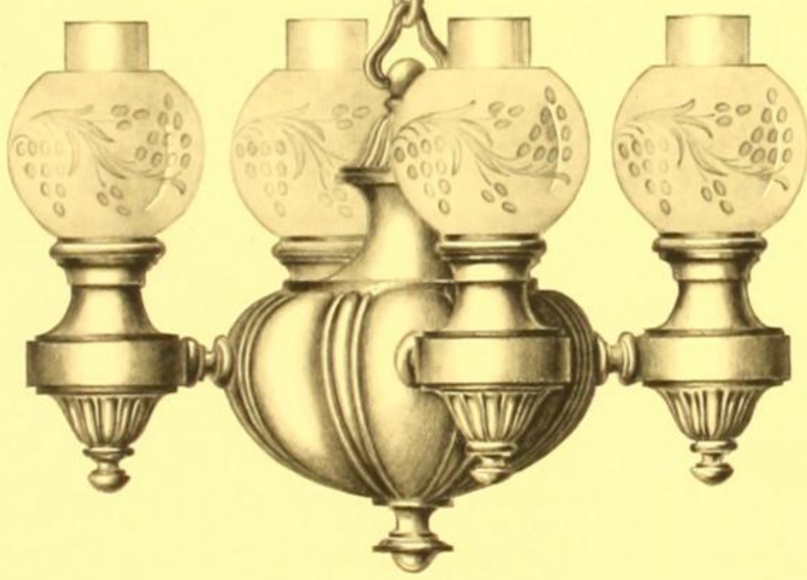


No. 15069-S
Scale, ⅕ full size
Extension, 4 inches

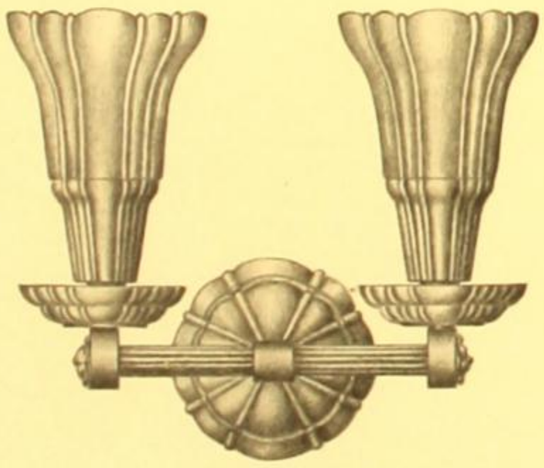




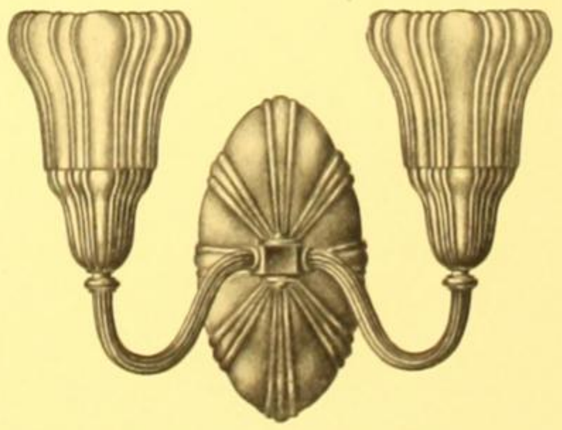
No. 15059
Scale, ⅕ full size
Extension, 5½ inches



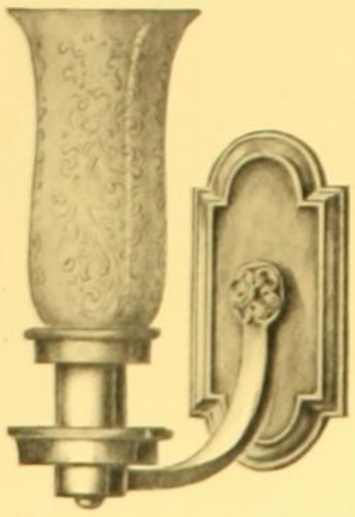
No. 10041
Scale, ⅕ full size
Spread, 14½ inches
Length, 36 inches



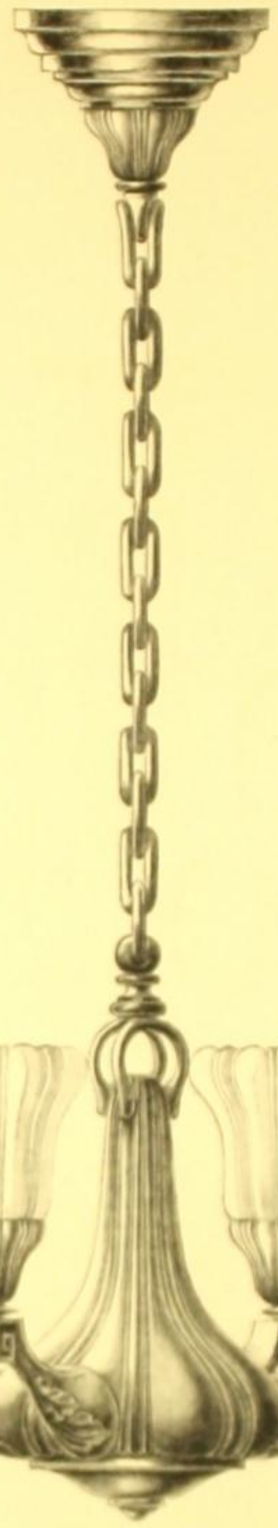
No. 15048
Scale, ⅕ full size
Spread, 8 inches



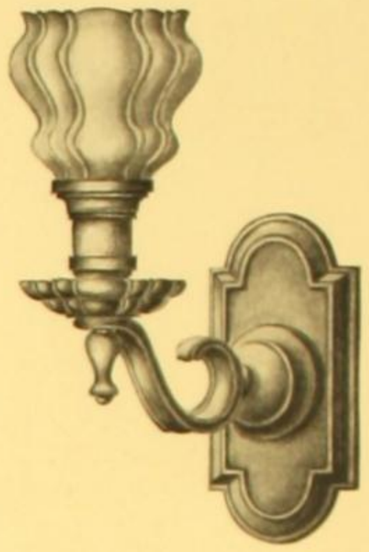
No. 15026-S
Scale, ⅕ full size
Spread, 8½ inches



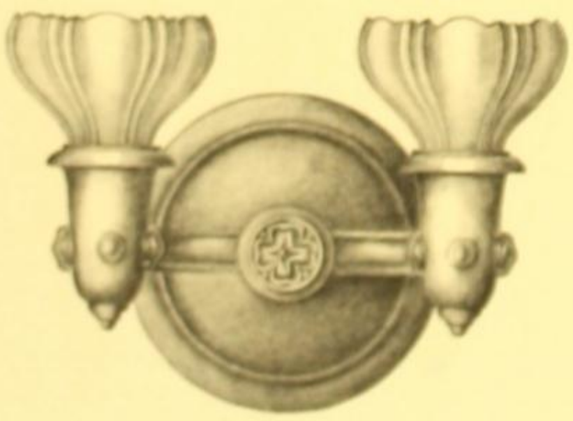
No. 15102
Scale, ½ full size
Extension, 5 inches



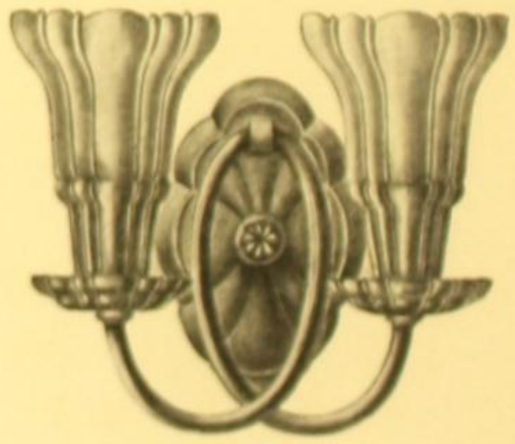
No. 10044
Scale, ½ full size
Spread, 14 inches
Length, 36 inches



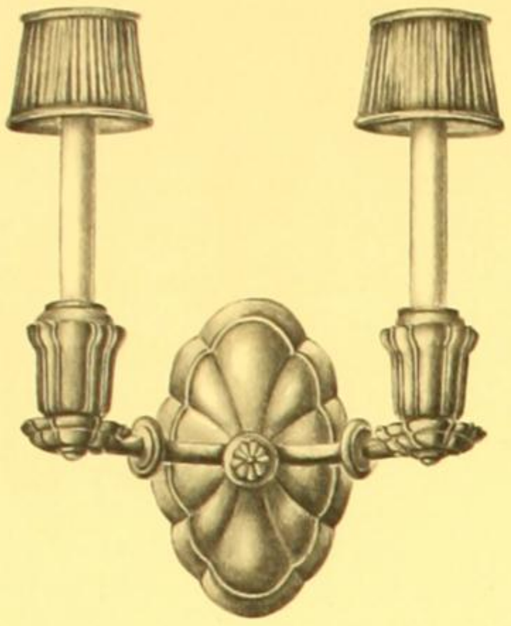
No. 15066
Scale, ½ full size
Extension, 7 inches



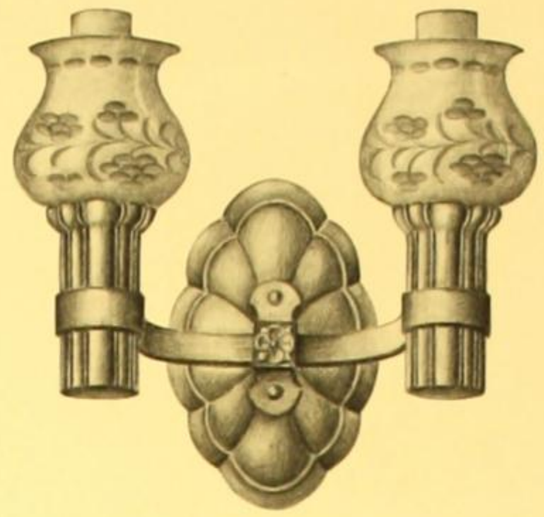
No. 15055
Scale, ½ full size
Spread, 8 inches



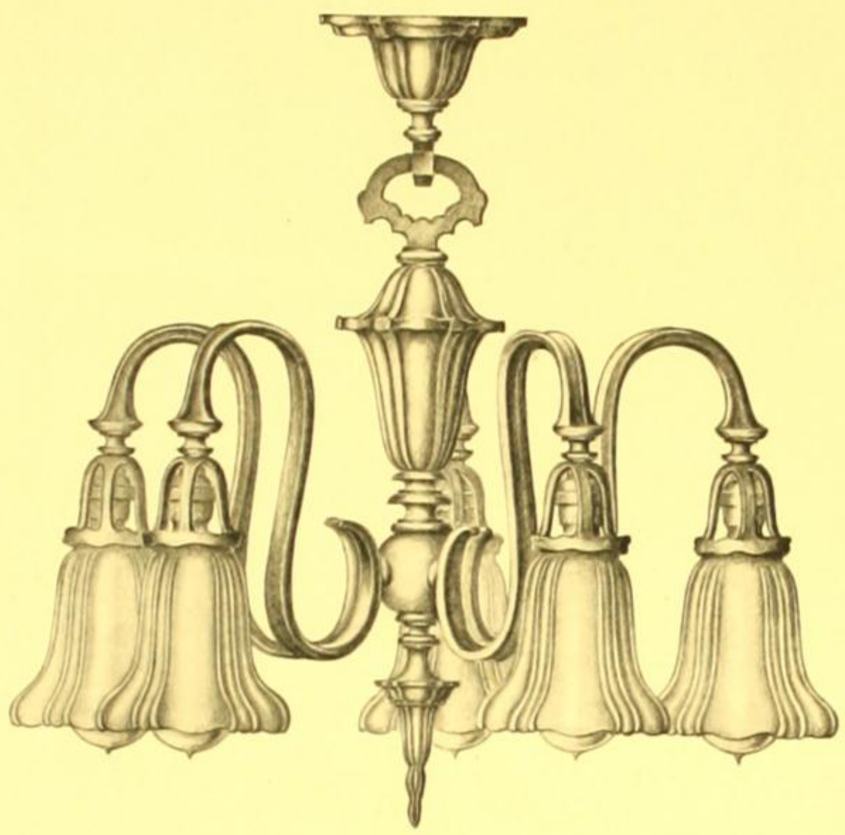
No. 15053
Scale, ½ full size
Spread, 7 inches



No. 15052
Scale, ⅕ full size
Spread, 8½ inches

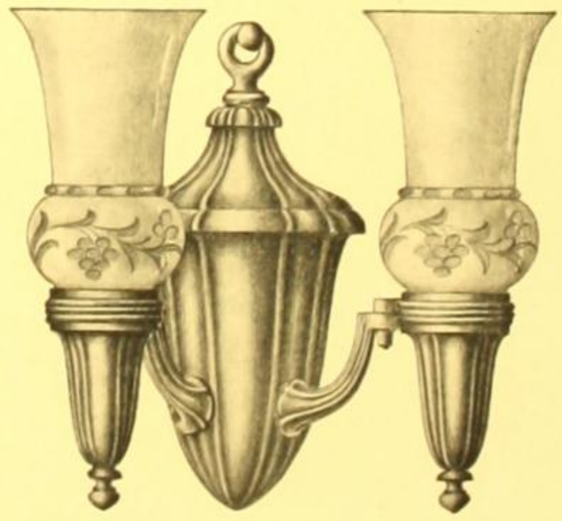


No. 15049
Scale, ⅛ full size
Spread, 8 inches

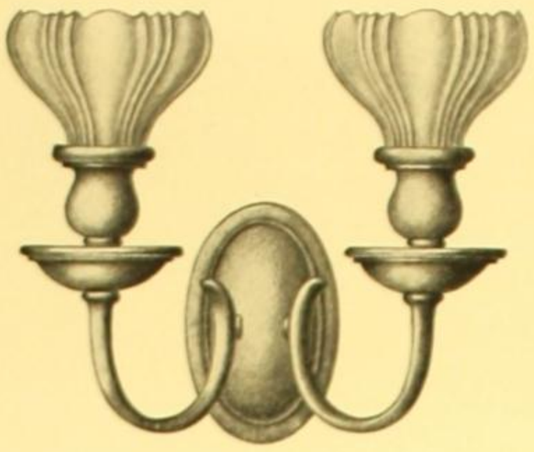


No. 13068
Scale, ⅕ full size
Spread, 15 inches
Length, 19 inches

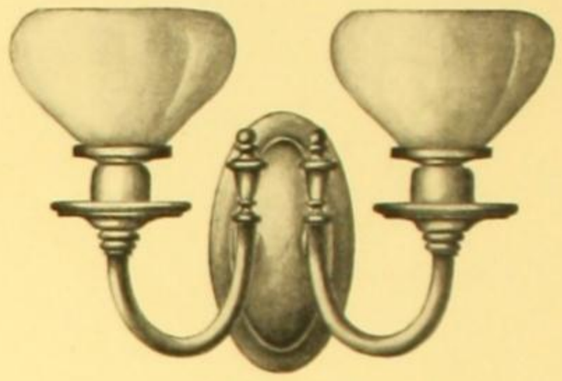
No. 15051
Scale, ⅕ full size
Spread, 8 inches



No. 15050
Scale, ⅕ full size
Spread, 8½ inches



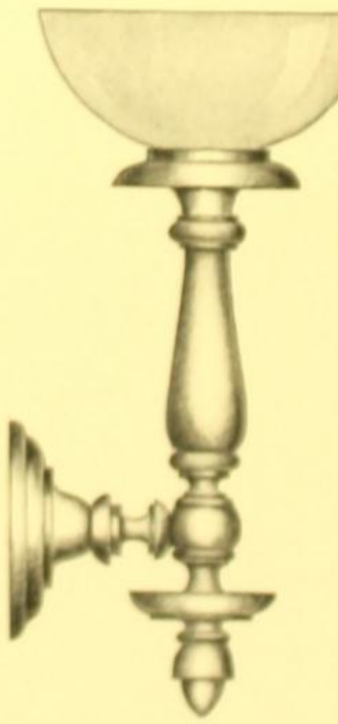
No. 15106-S
Scale, ⅕ full size
Spread, 7½ inches



No. 15105-S
Scale, ⅕ full size
Spread, 7½ inches

No. 13081-S
Scale, ⅕ full size
Spread, 18 inches
Length, 30 inches

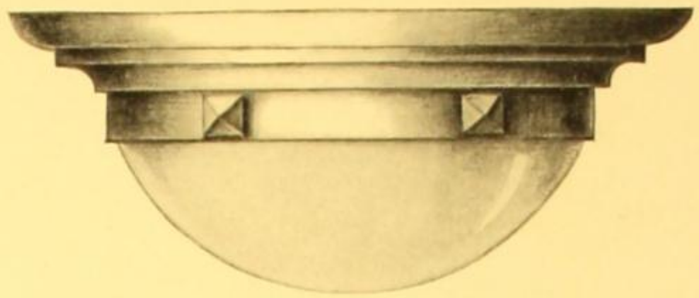
No. 13056
Scale, ½ full size
Spread, 7½ inches



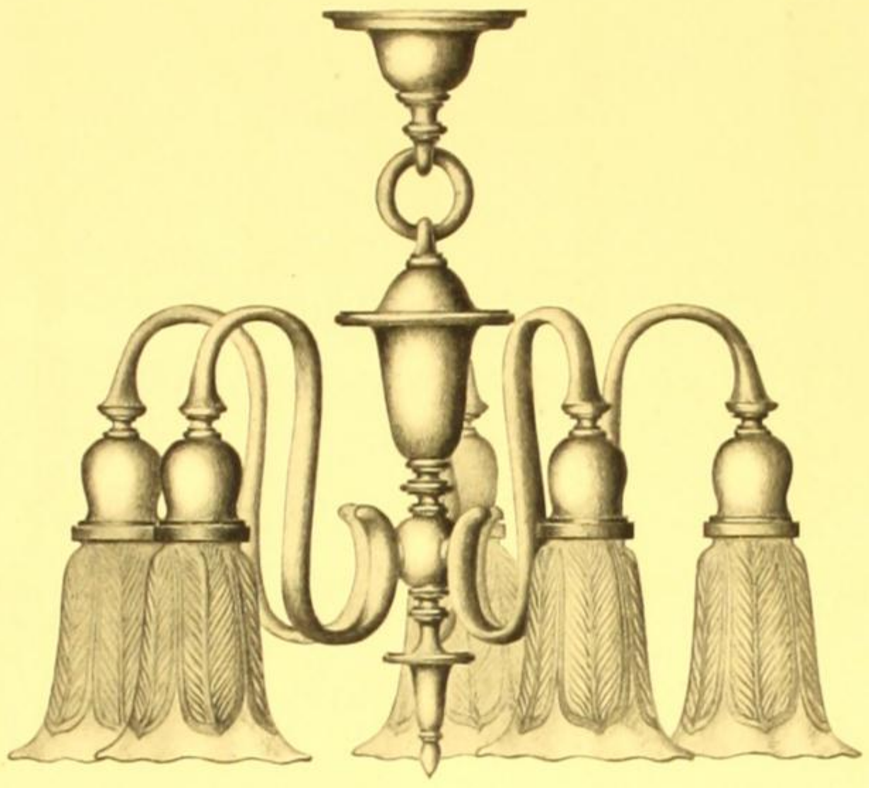
No. 15074
Scale, ½ full size
Extension, 4½ inches

No. 13059
Scale, ½ full size
Length, 10 inches

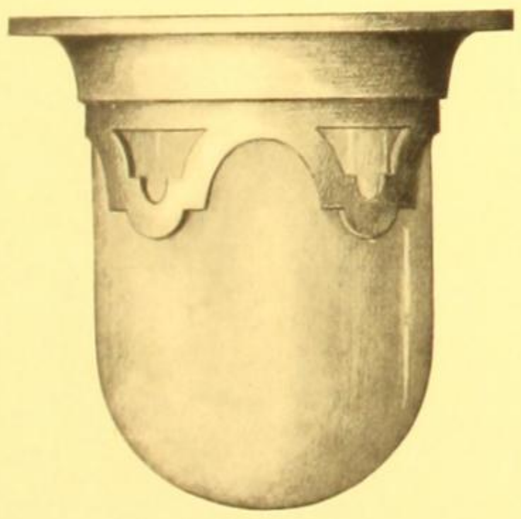
No. 13065
Scale, ⅕ full size
Spread, 15 inches
Length, 6 inches



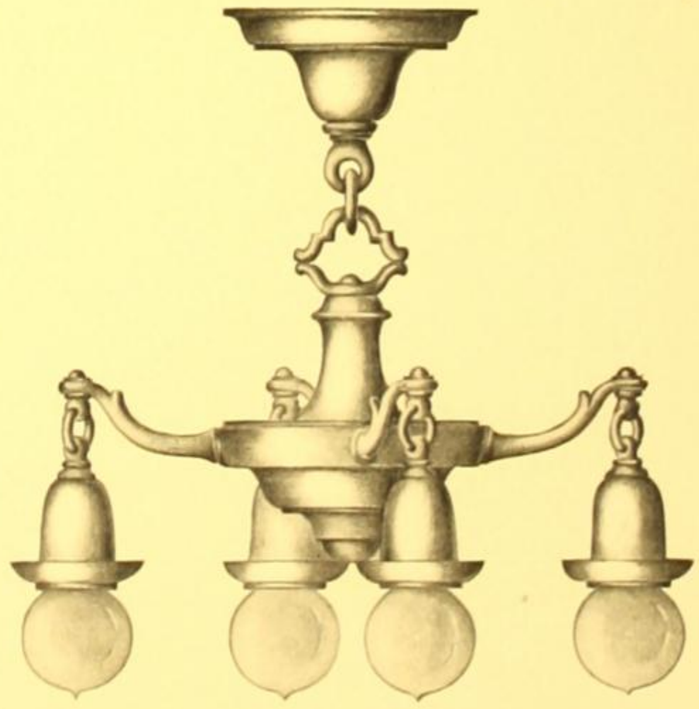
No. 13058
Scale, ⅕ full size
Spread, 16 inches
Length, 6 inches



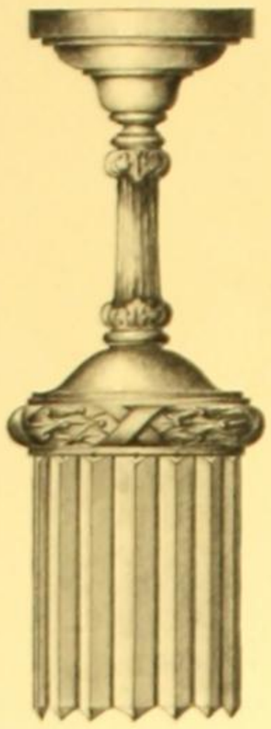
No. 13077-S
Scale, ⅕ full size
Spread, 15 inches
Length, 18 inches



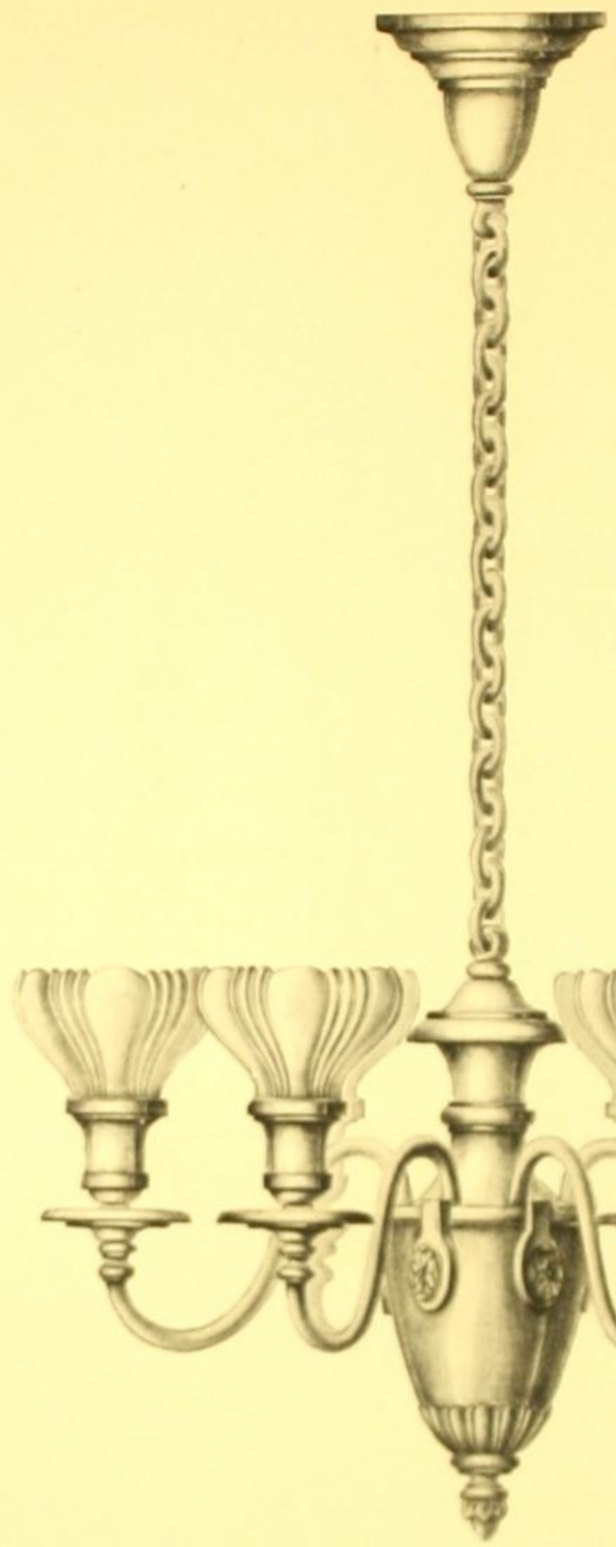
No. 13063
Scale, ⅕ full size
Spread, 11½ inches
Length, 12 inches



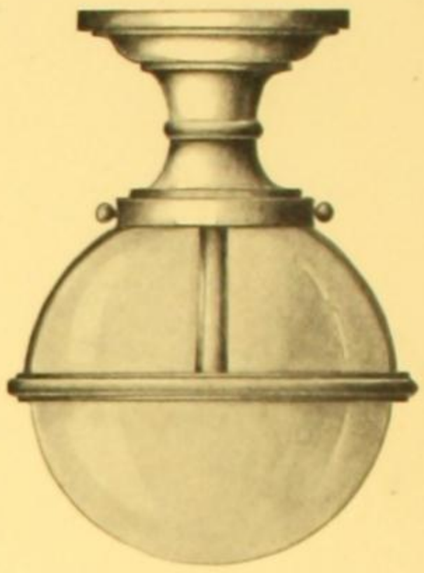
No. 13054
Scale, ⅕ full size
Spread, 13 inches
Length, 16 inches



No. 13071
Scale, ½ full size
Length, 16 inches



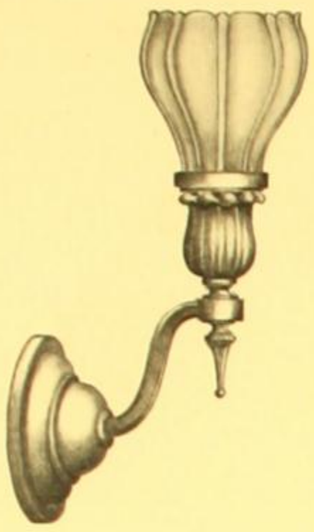
No. 10036
Scale, ⅓ full size
Spread, 19 inches
Length, 36 inches



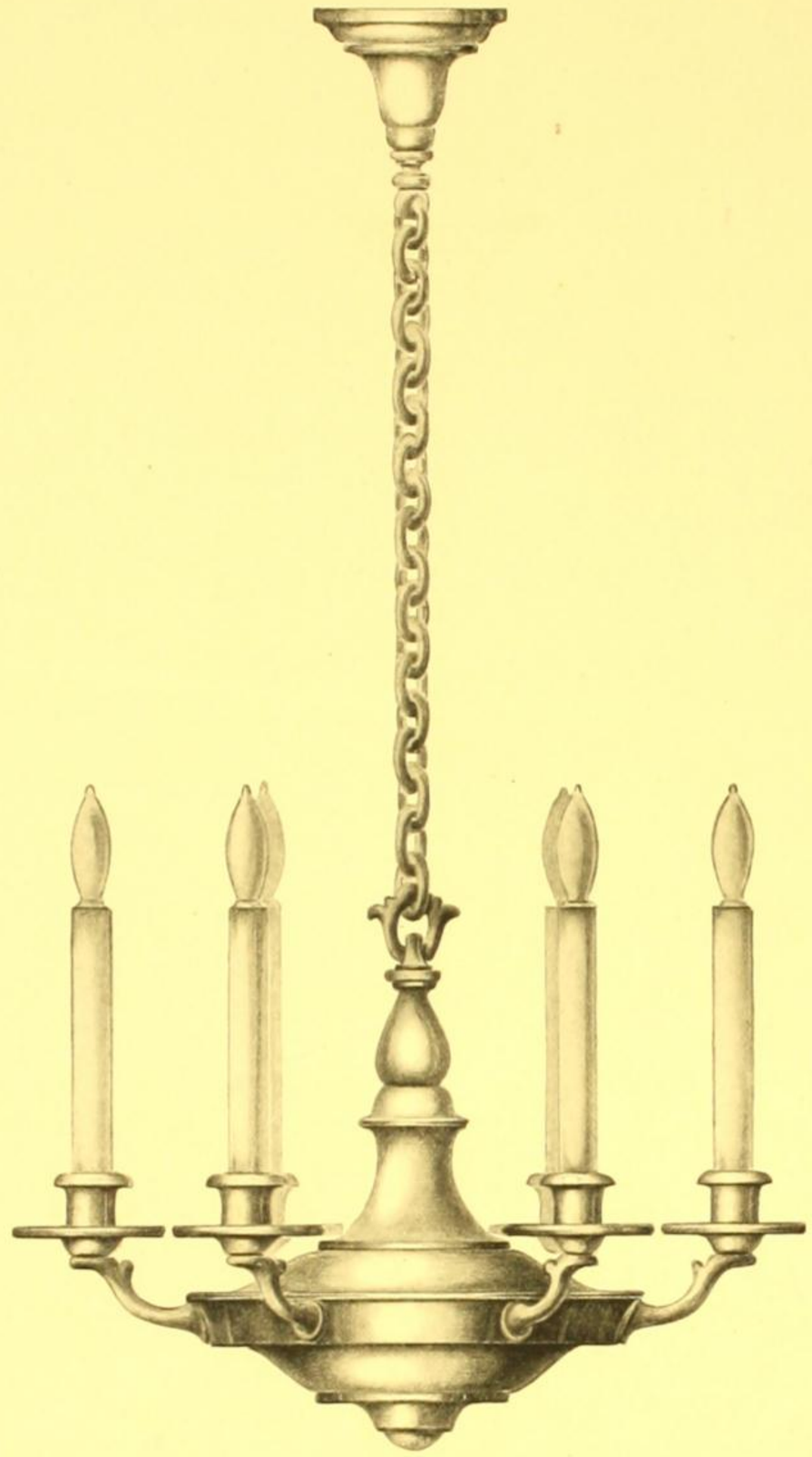
No. 13055
Scale, ½ full size
Spread, 10 inches
Length, 13 inches

No. 19015
Scale, ½ full size
Height, 17½ inches

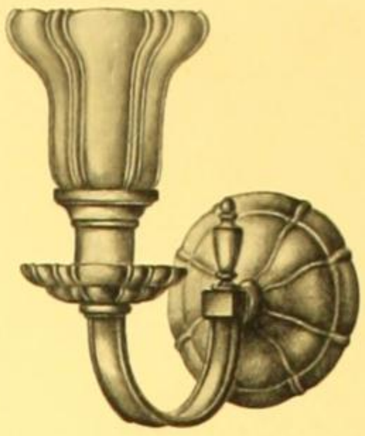
No. 19016
Scale, ½ full size
Height, 11 inches



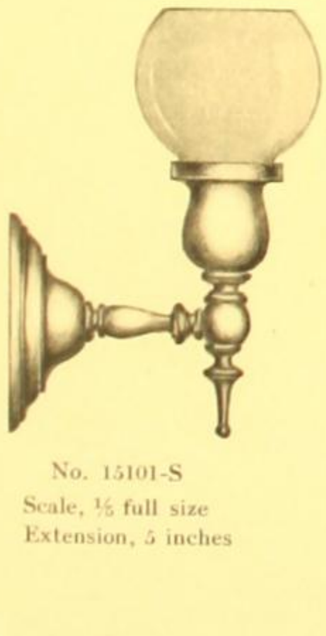
No. 15057
Scale, ⅕ full size
Extension, 5 inches



No. 10033
Scale, ⅛ full size
Spread, 17 inches
Length, 37 inches

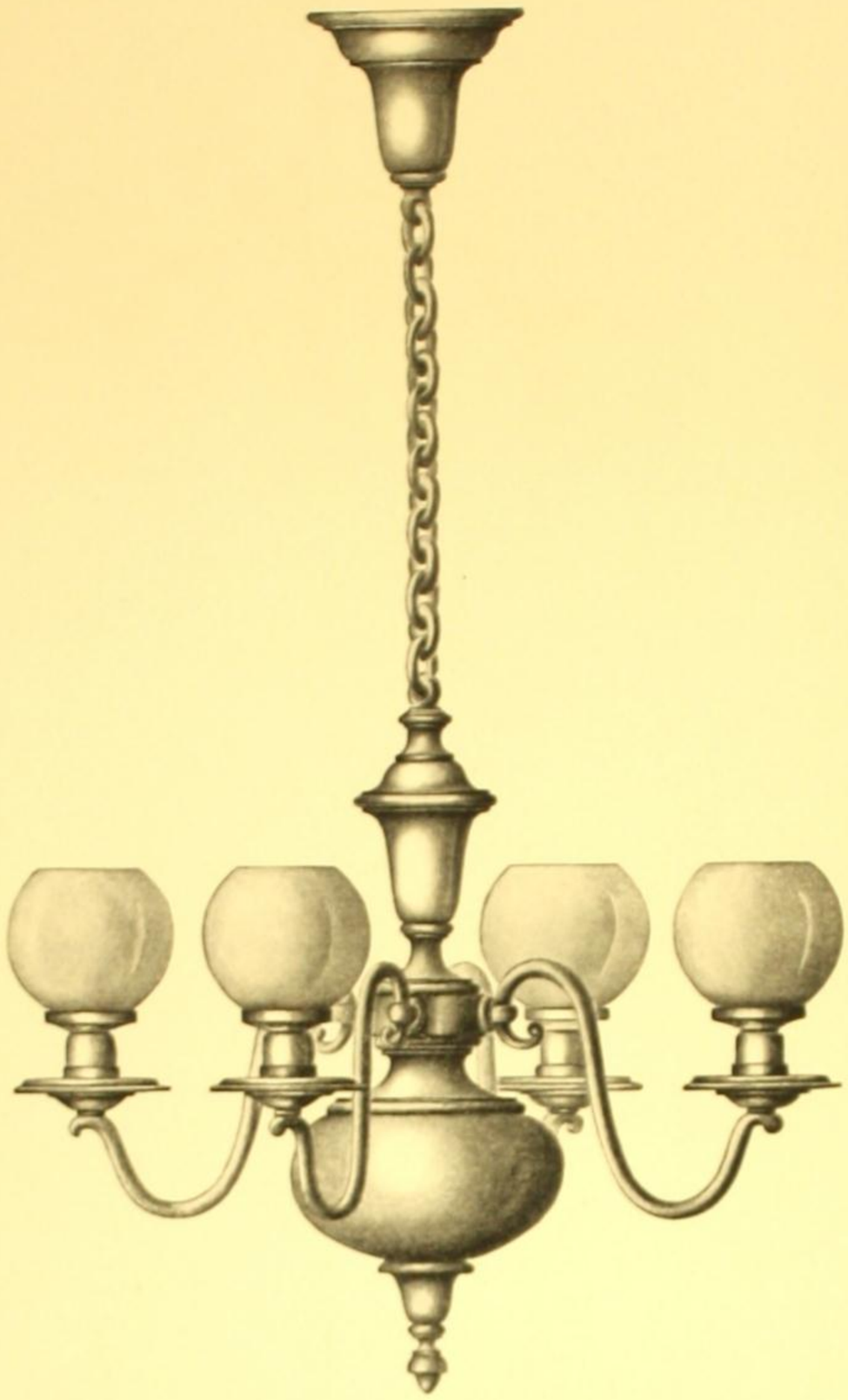


No. 15065
Scale, ⅕ full size
Extension, 8 inches

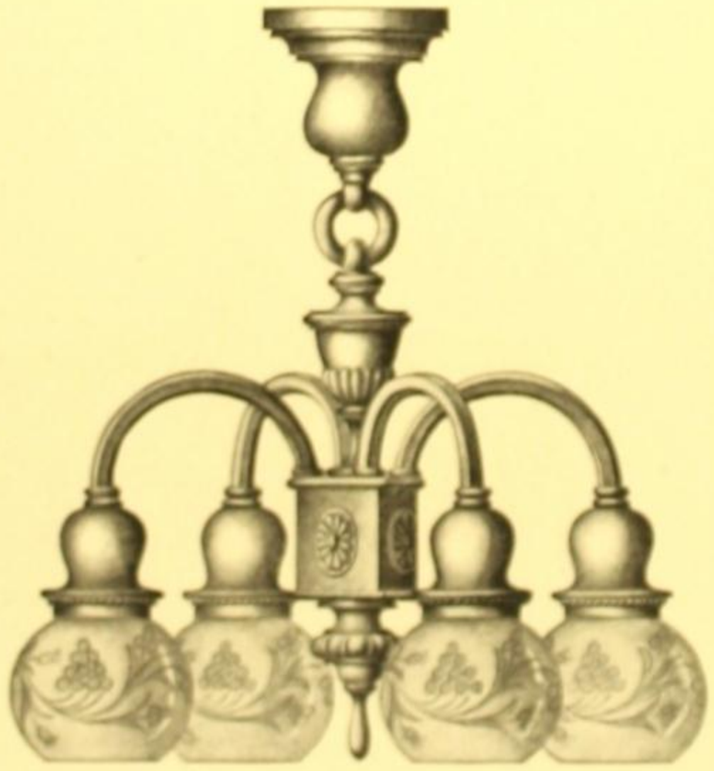


No. 15101-S
Scale, ⅕ full size
Extension, 5 inches

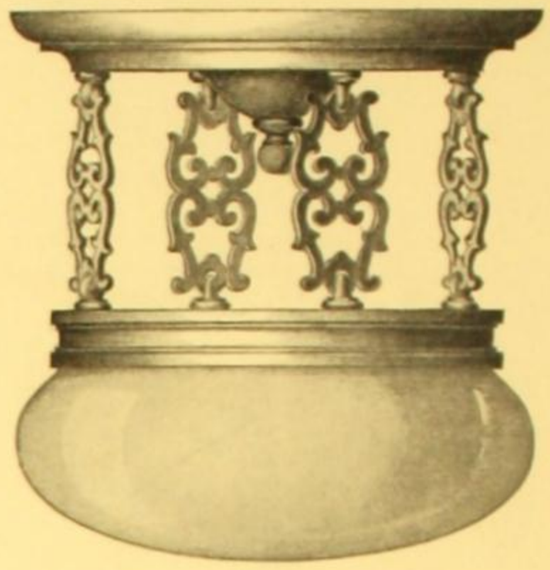
No. 15063
Scale, ⅕ full size
Extension, 5 inches



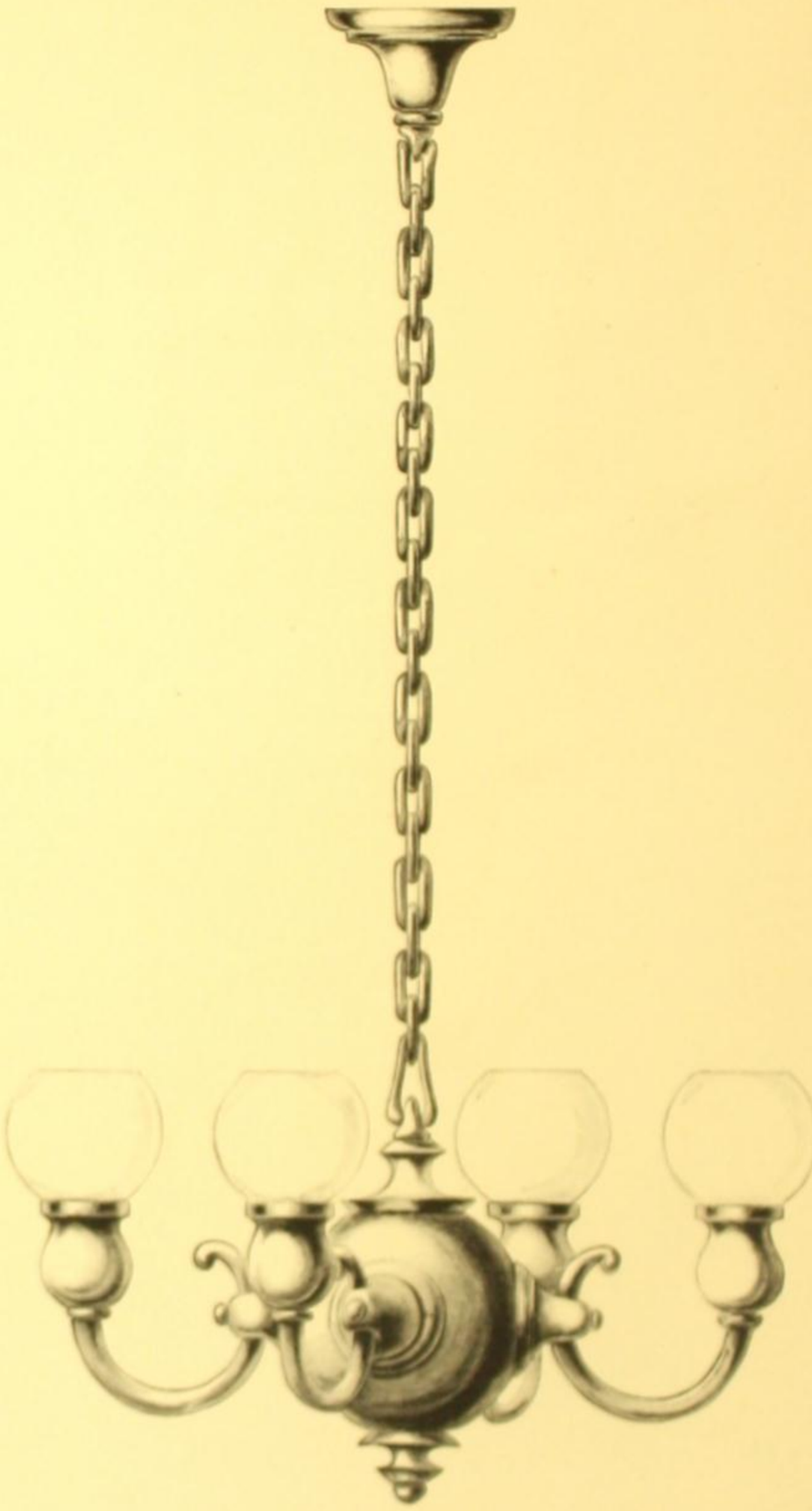
No. 10039-S
Scale, ½ full size
Spread, 19½ inches
Length, 36 inches



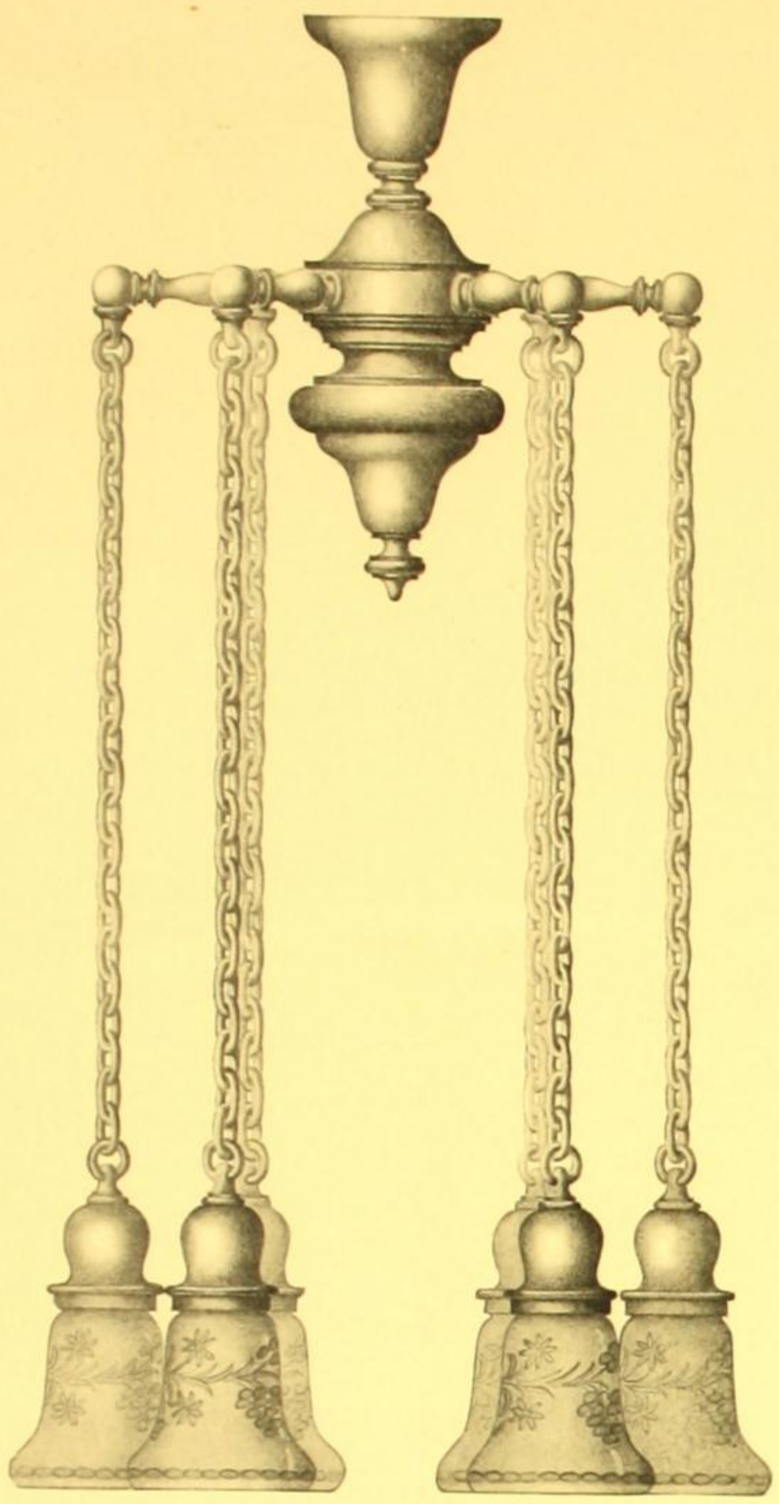
No. 13047
Scale, ½ full size
Spread, 12 inches
Length, 17 inches



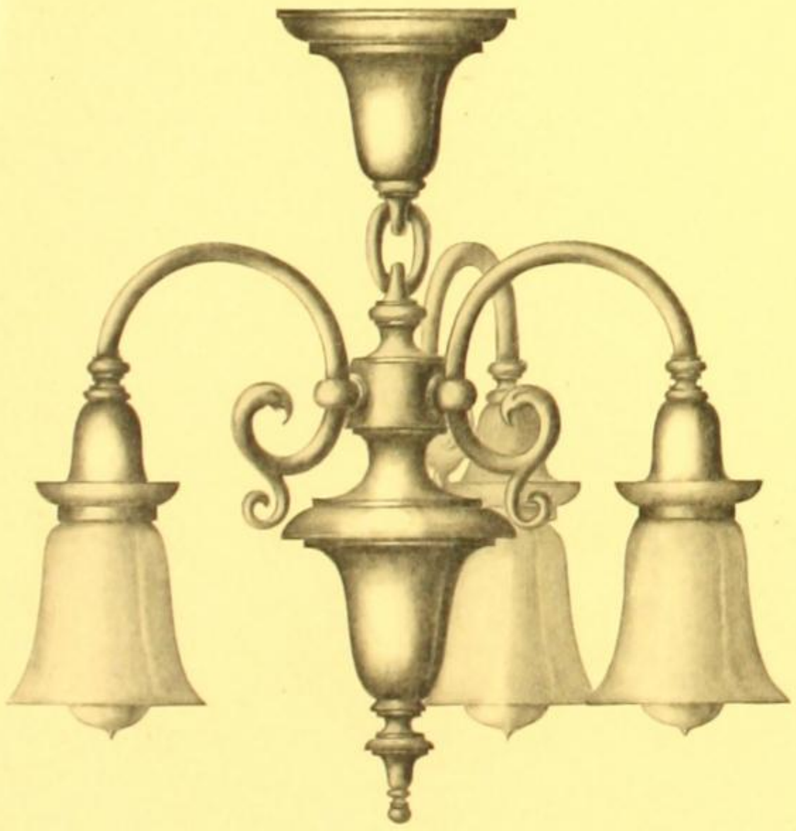
No. 13057
Scale, ½ full size
Spread, 12½ inches
Length, 13 inches



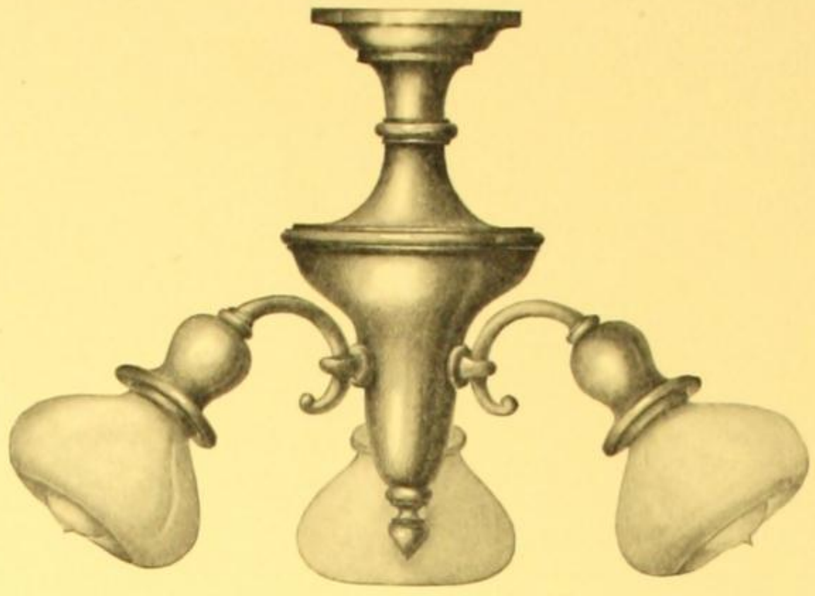
No. 10022-S
Scale, ½ full size
Spread, 17½ inches
Length, 40 inches



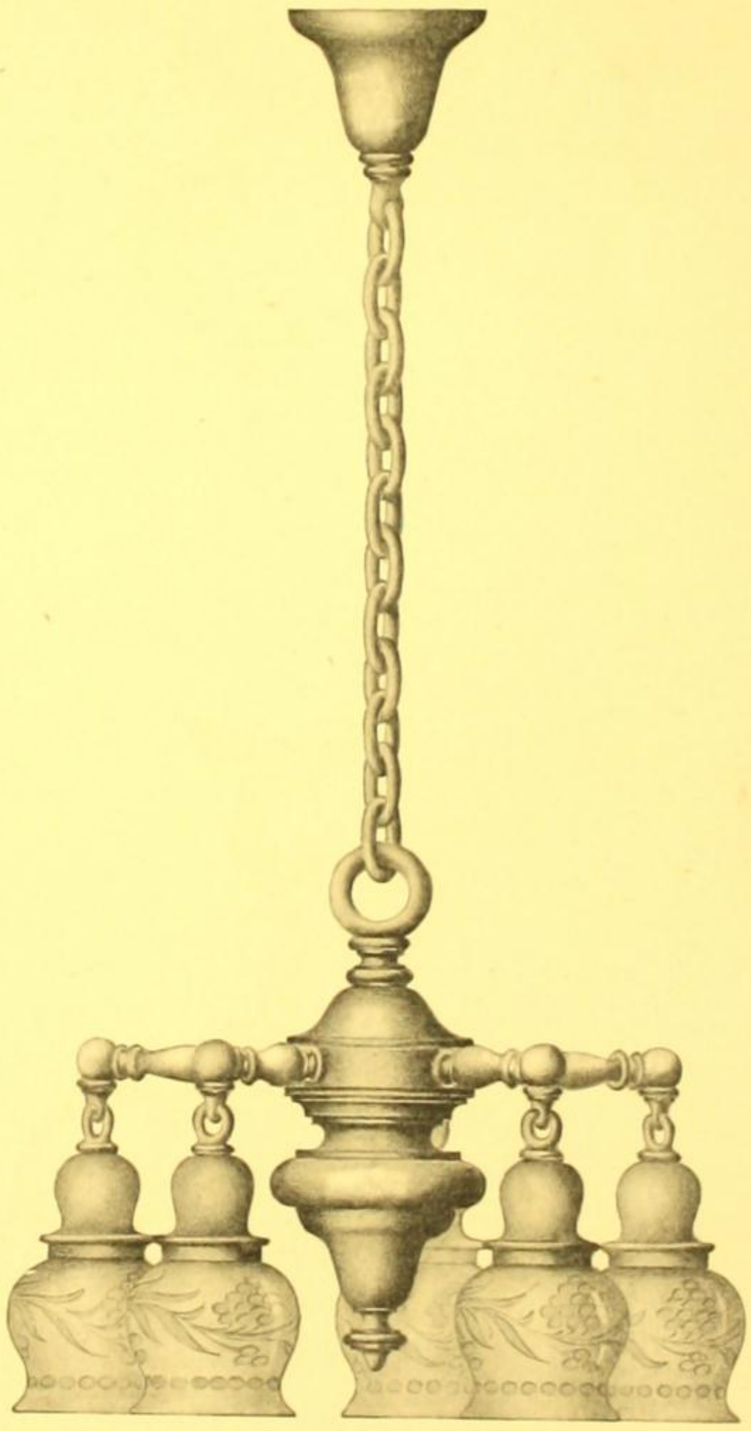
No. 13048
Scale, ⅕ full size
Spread, 13½ inches
Length, 35 inches



No. 13062-S
Scale, ⅕ full size
Spread, 15 inches
Length, 20 inches

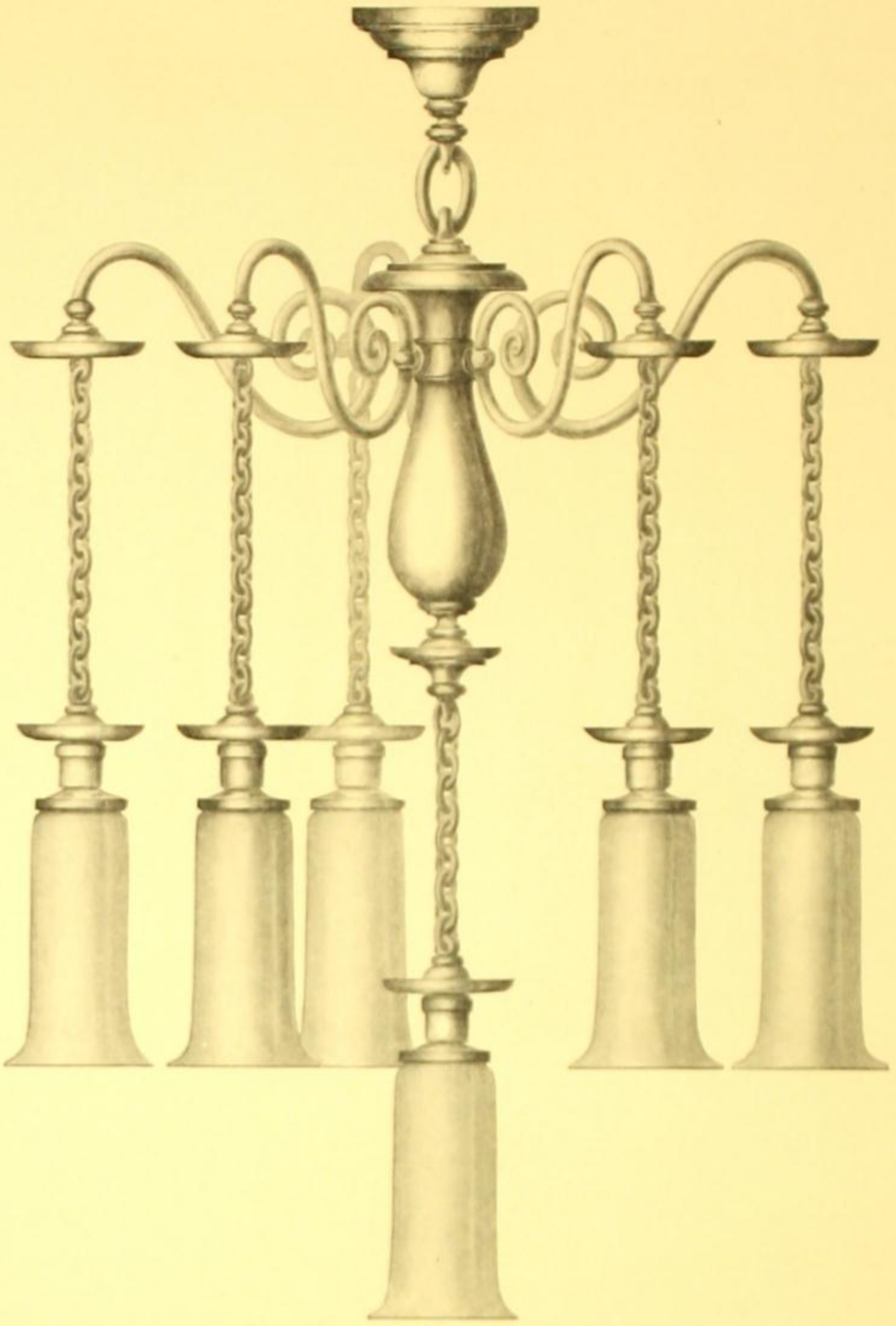


No. 13053-S
Scale, ⅕ full size
Spread, 12 inches
Length, 13 inches

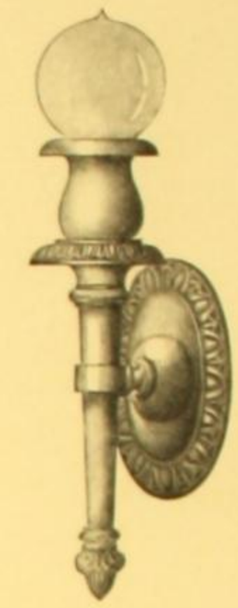


No. 10032-S
Scale, ⅕ full size
Spread, 13½ inches
Length, 34 inches

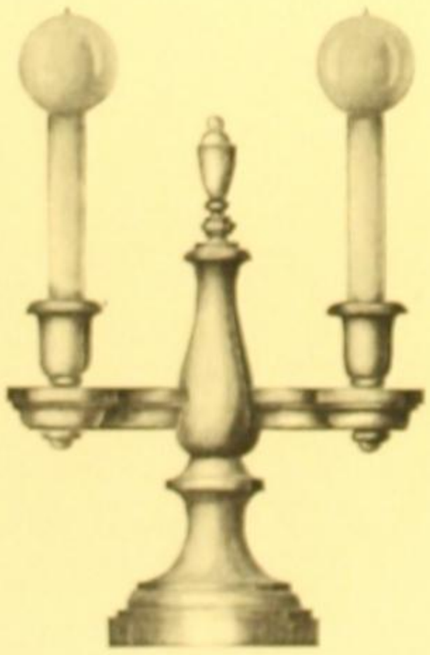
No. 15040-S
Scale, ⅕ full size
Length, 12½ inches



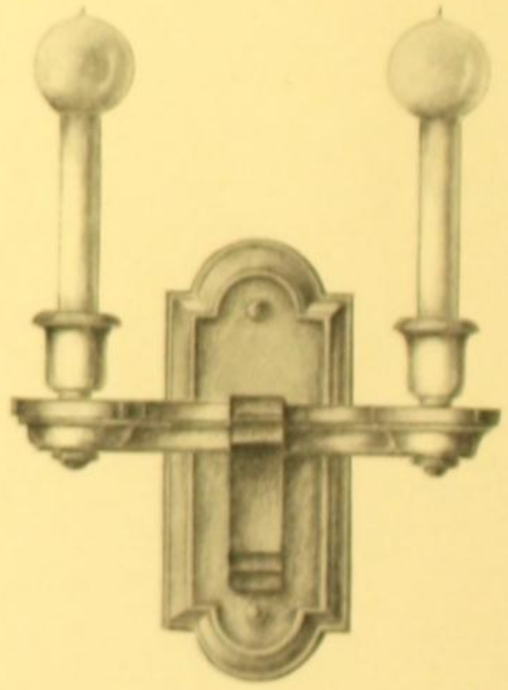
No. 13074
Scale, ⅛ full size
Spread, 24 inches
Length, 36 inches



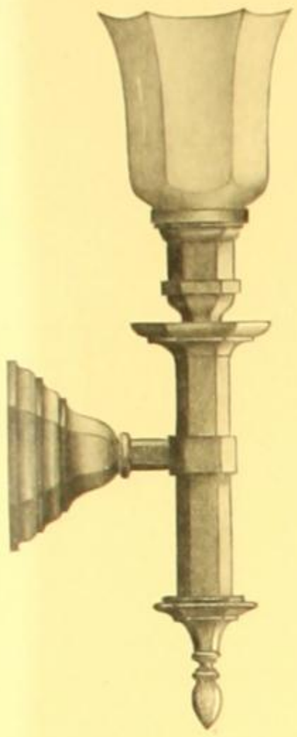
No. 15108-S
Scale, ⅕ full size
Length, 13¼ inches



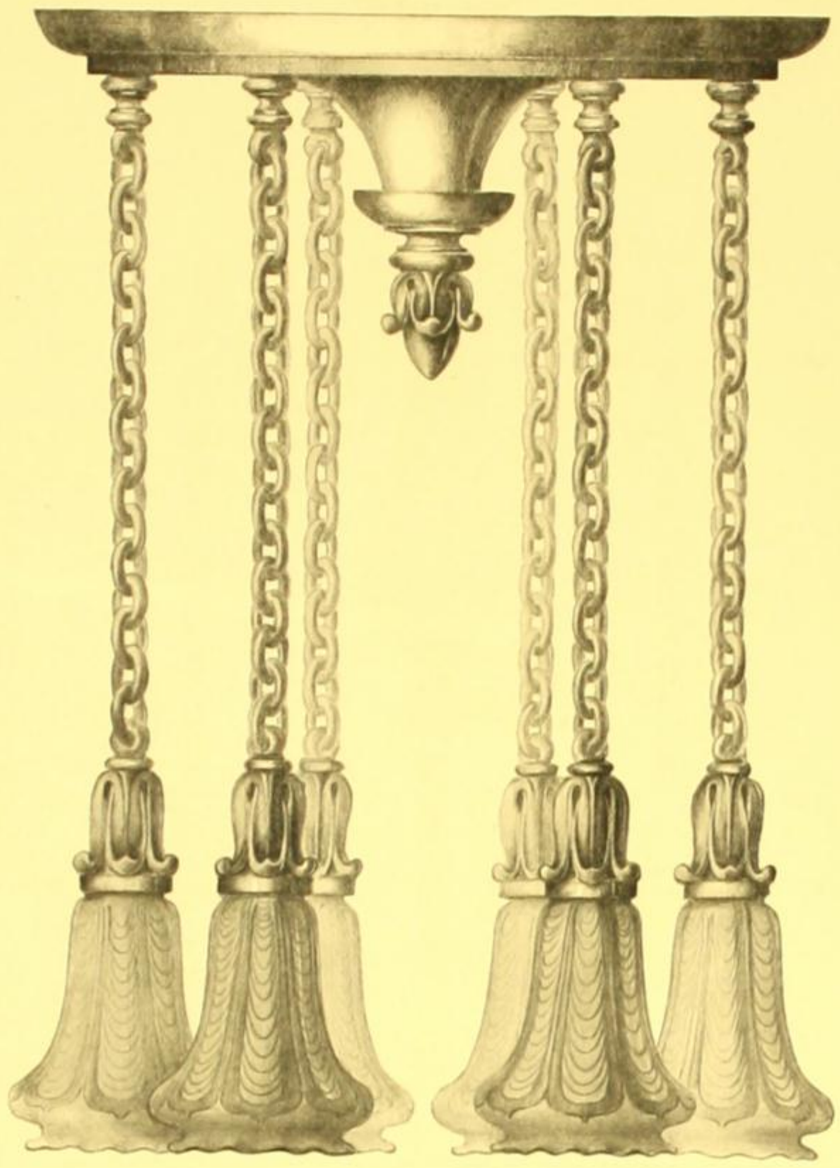
No. 19010
Scale, ½ full size
Spread, 7 inches



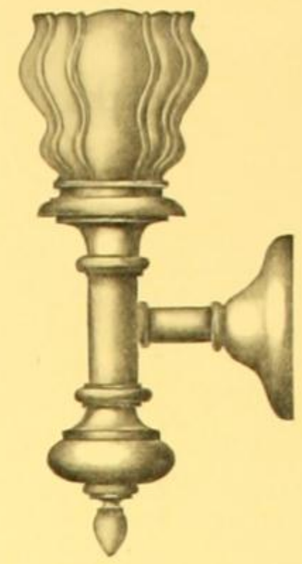
No. 15064
Scale, ½ full size
Spread, 8 inches



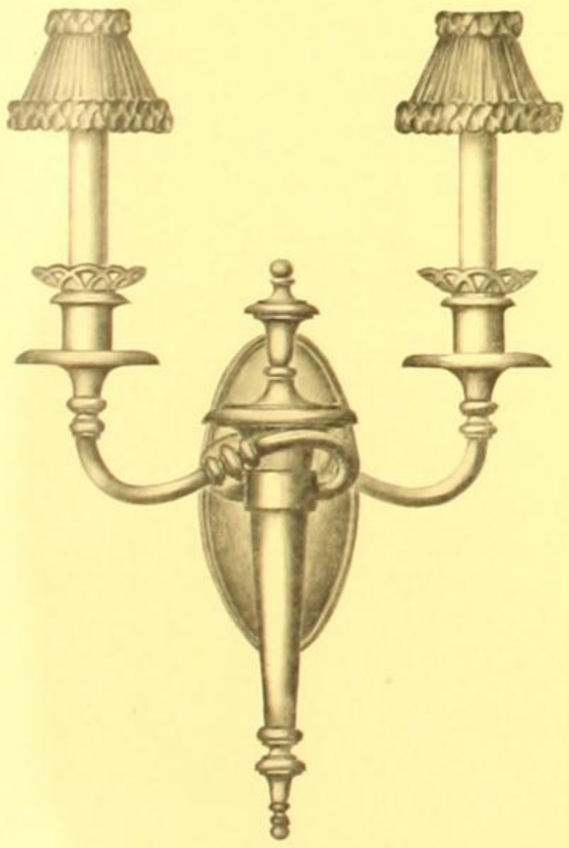
No. 15044
Scale, ⅕ full size
Extension, 4½ inches



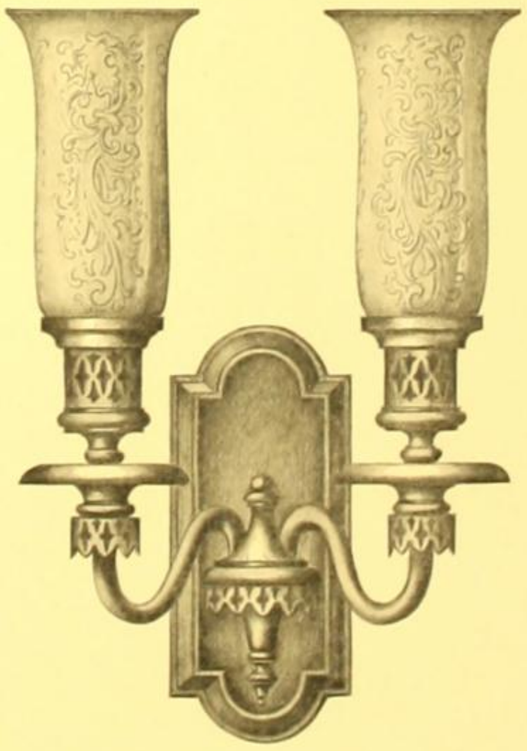
No. 13070
Scale, ⅕ full size
Spread, 15 inches
Length, 27 inches



No. 15109-S
Scale, ⅕ full size
Extension, 4 inches



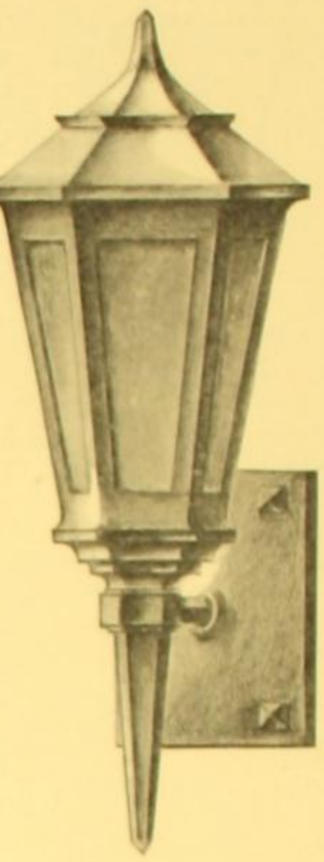
No. 15110
Scale, ⅕ full size
Spread, 9 inches



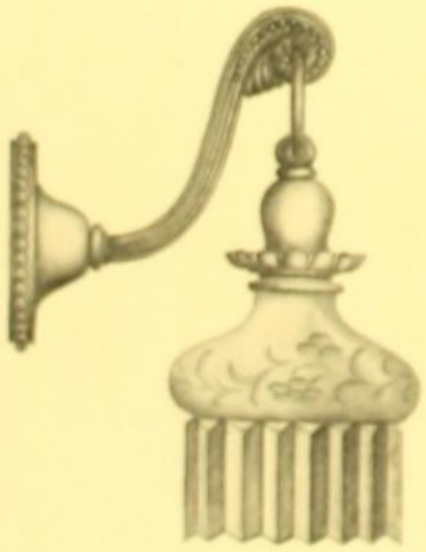
No. 15111
Scale, ⅕ full size
Spread, 7½ inches

No. 18004
Scale, ⅓ full size
Spread, 8¾ inches
Length, 30 inches

No. 10045
Scale, ⅓ full size
Spread, 16 inches
Length, 40 inches

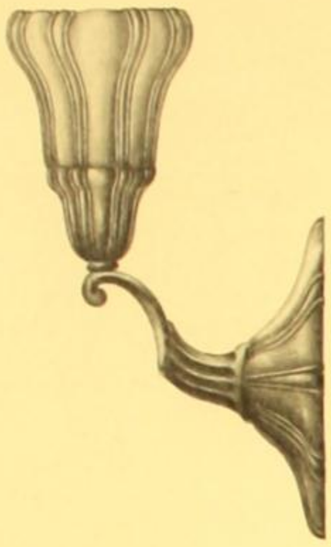


No. 15056
Scale, ⅓ full size
Length, 20 inches

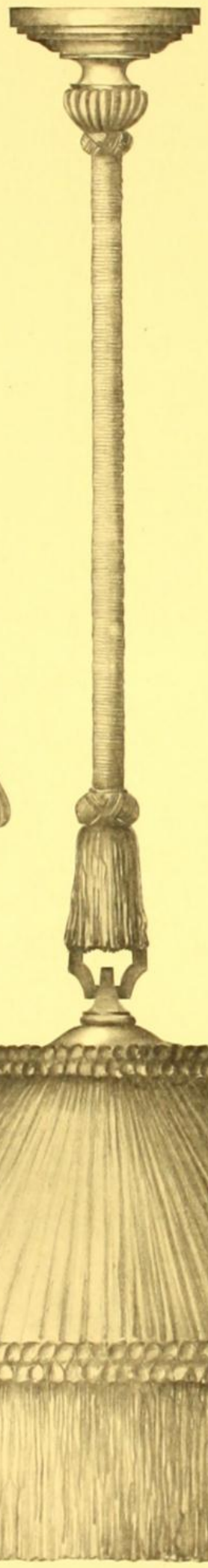


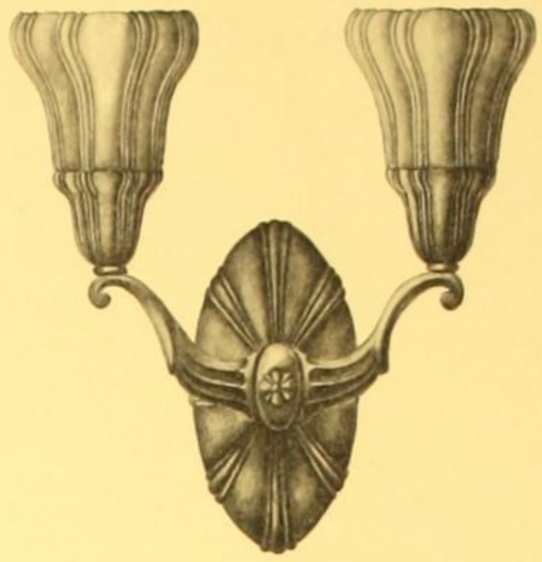
No. 15037
Scale, ⅓ full size
Extension, 6½ inches

No. 15060
Scale, ⅓ full size
Extension, 5½ inches

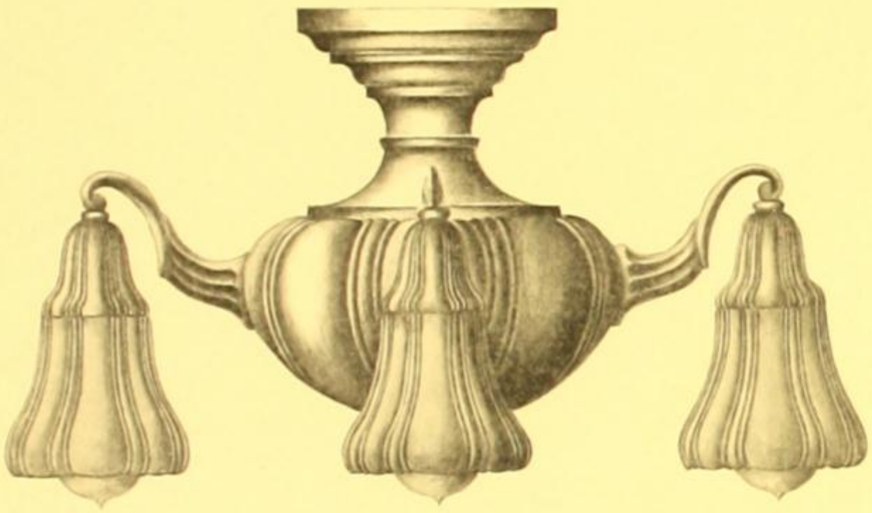


No. 15043-S
Scale, ⅕ full size
Extension, 5½ inches

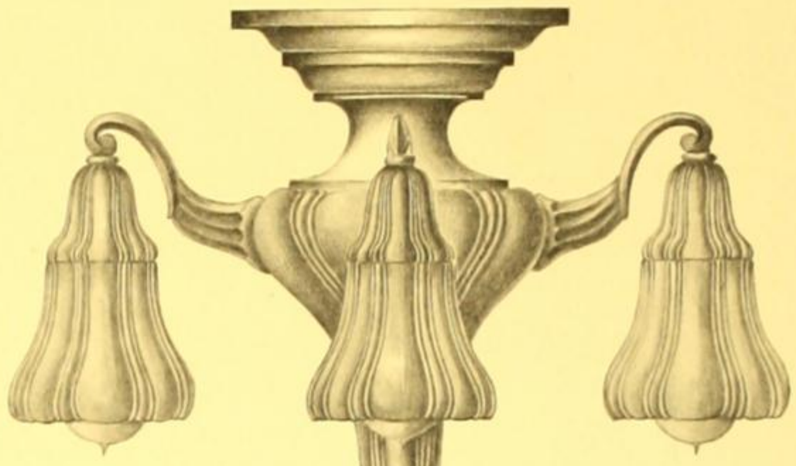




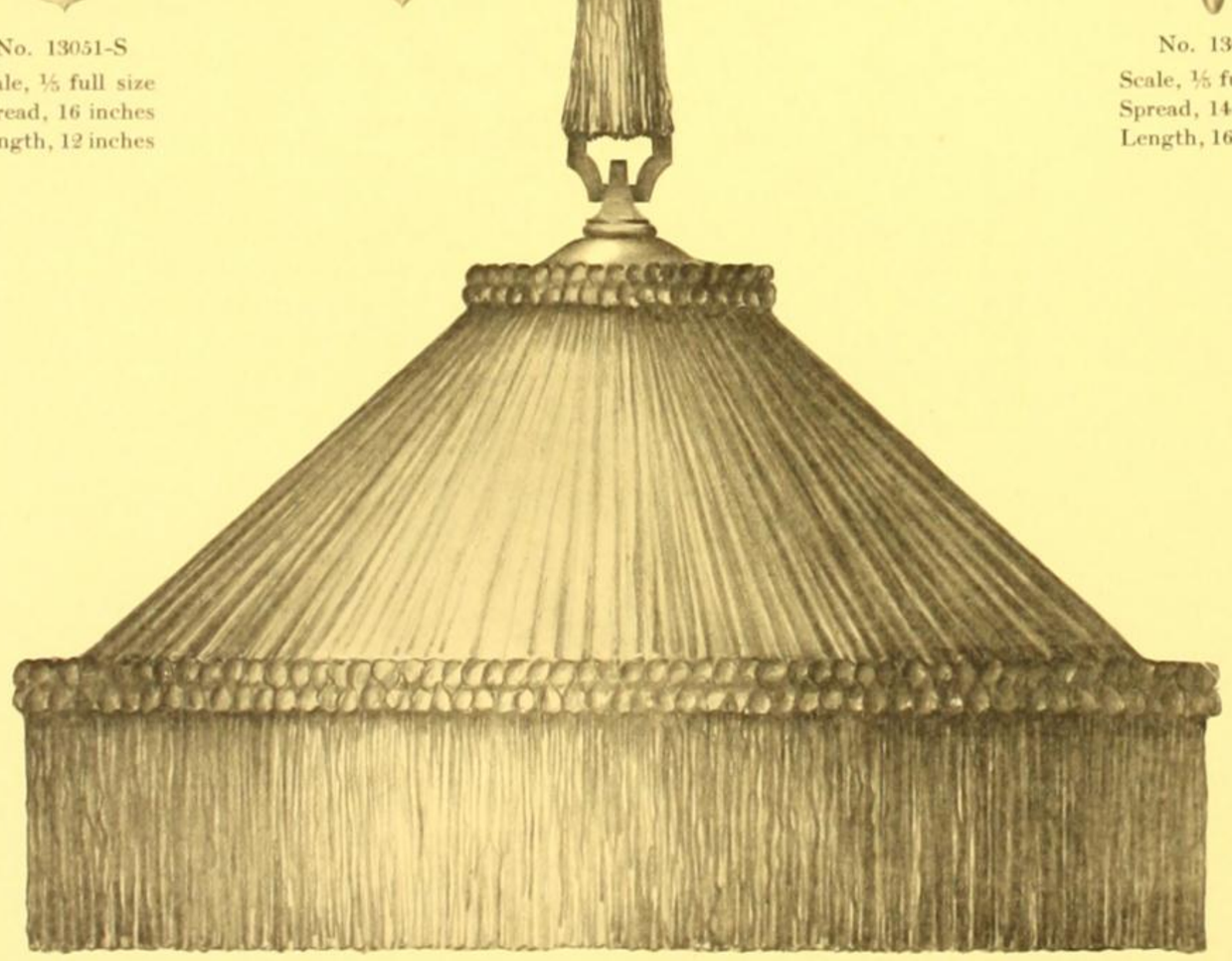
No. 15112-S
Scale, ⅕ full size
Spread, 8 inches



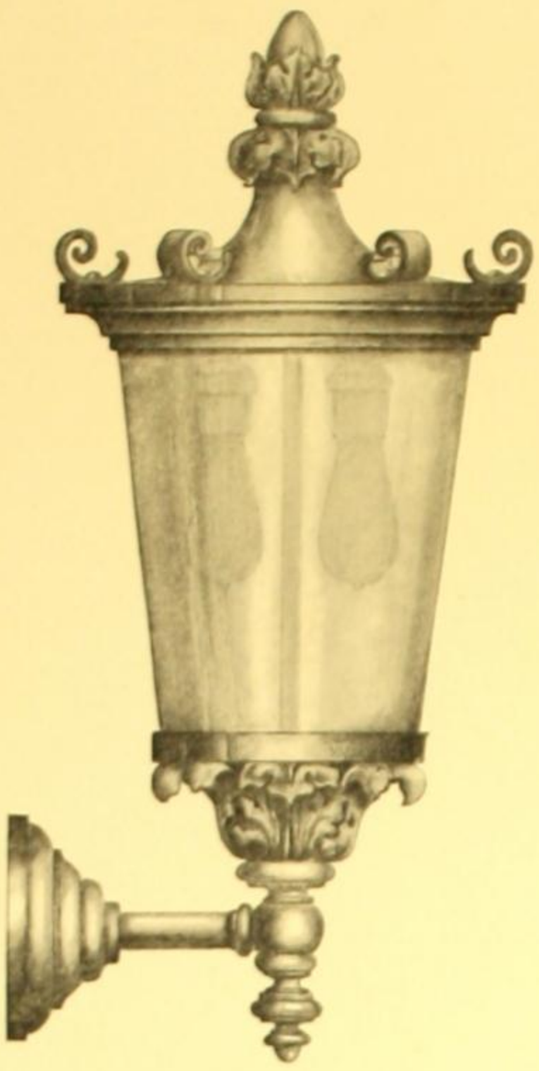
No. 13051-S
Scale, ⅕ full size
Spread, 16 inches
Length, 12 inches



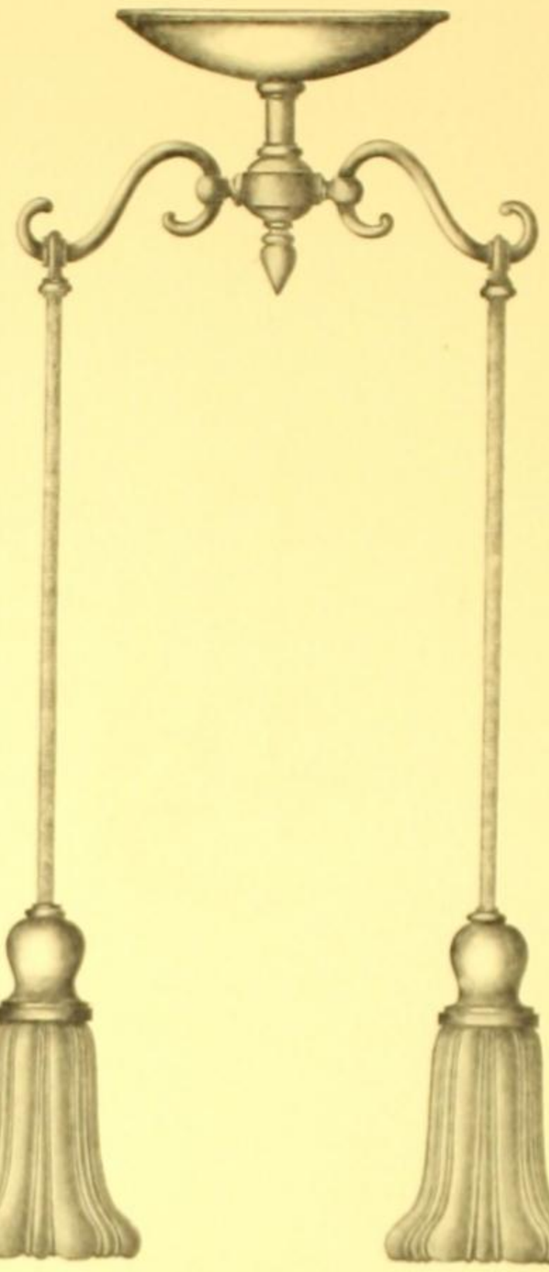
No. 13049
Scale, ⅕ full size
Spread, 14 inches
Length, 16 inches



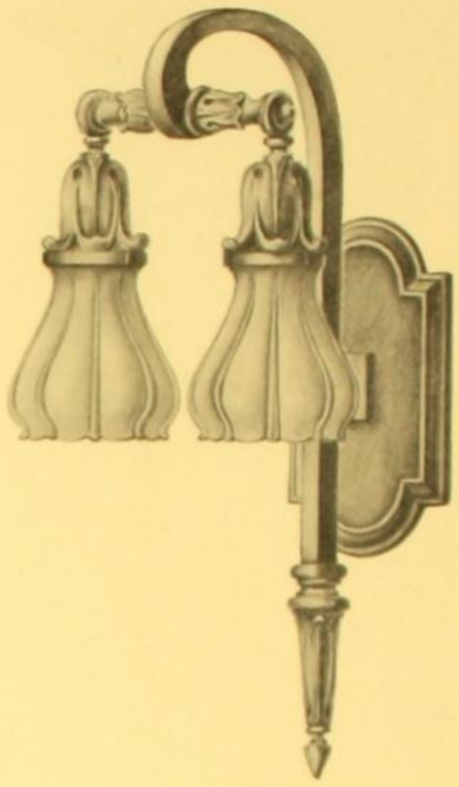
No. 10046
Scale, ⅕ full size
Spread, 28 inches
Length, 50 inches



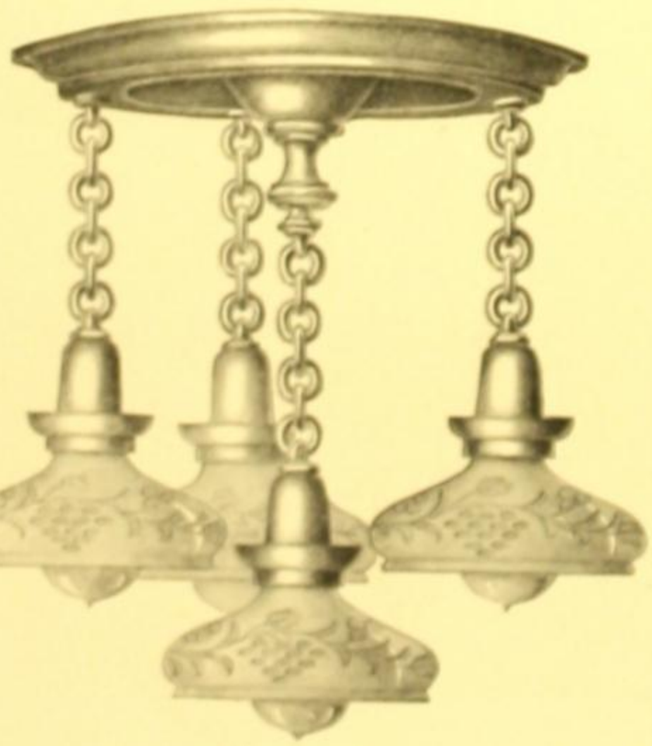
No. 15083
Scale, ⅛ full size
Extension, 6½ inches



No. 13086
Scale, ⅛ full size
Spread, 10½ inches
Length, 30 inches



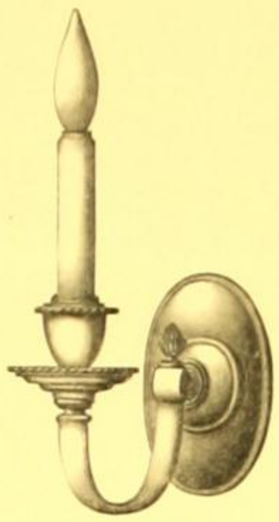
No. 15061
Scale, ⅛ full size
Length, 17½ inches



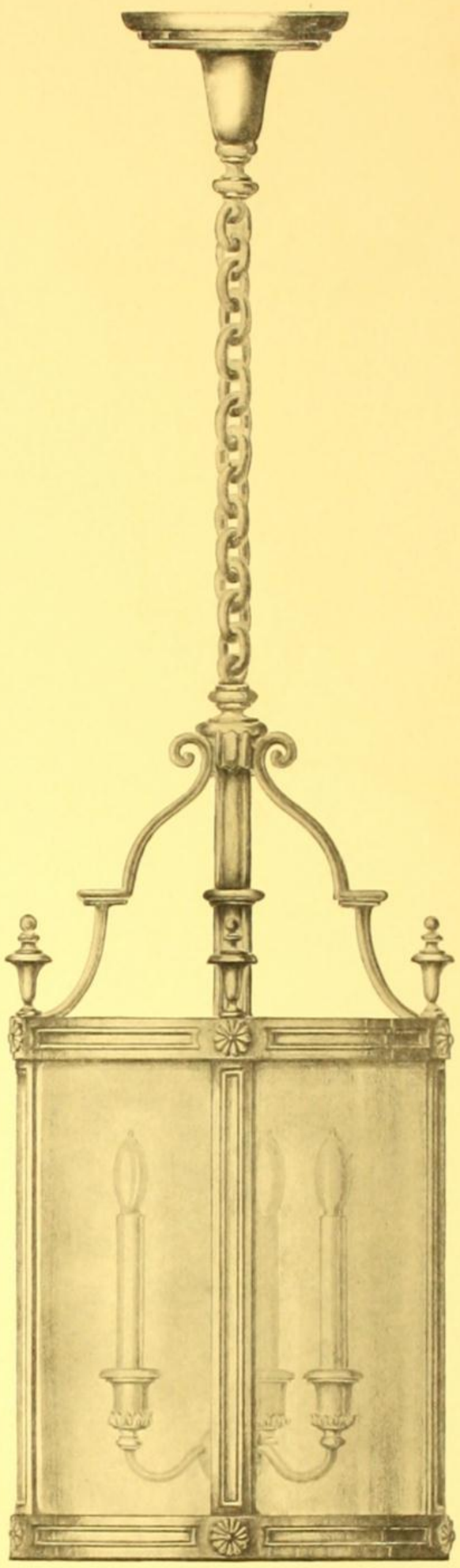
No. 13064-S
Scale, ⅛ full size
Spread, 10 inches
Length, 16 inches

No. 15113
Scale, ⅛ full size
Spread, 6½ inches

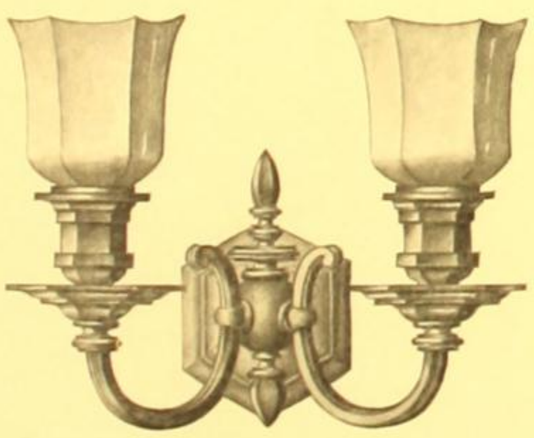
No. 18006
Scale, ⅕ full size
Spread, 12½ inches
Length, 45 inches



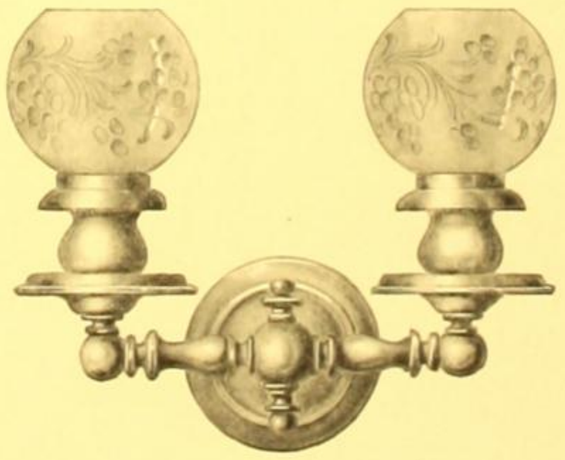
No. 15114
Scale, ⅓ full size
Extension, 6½ inches



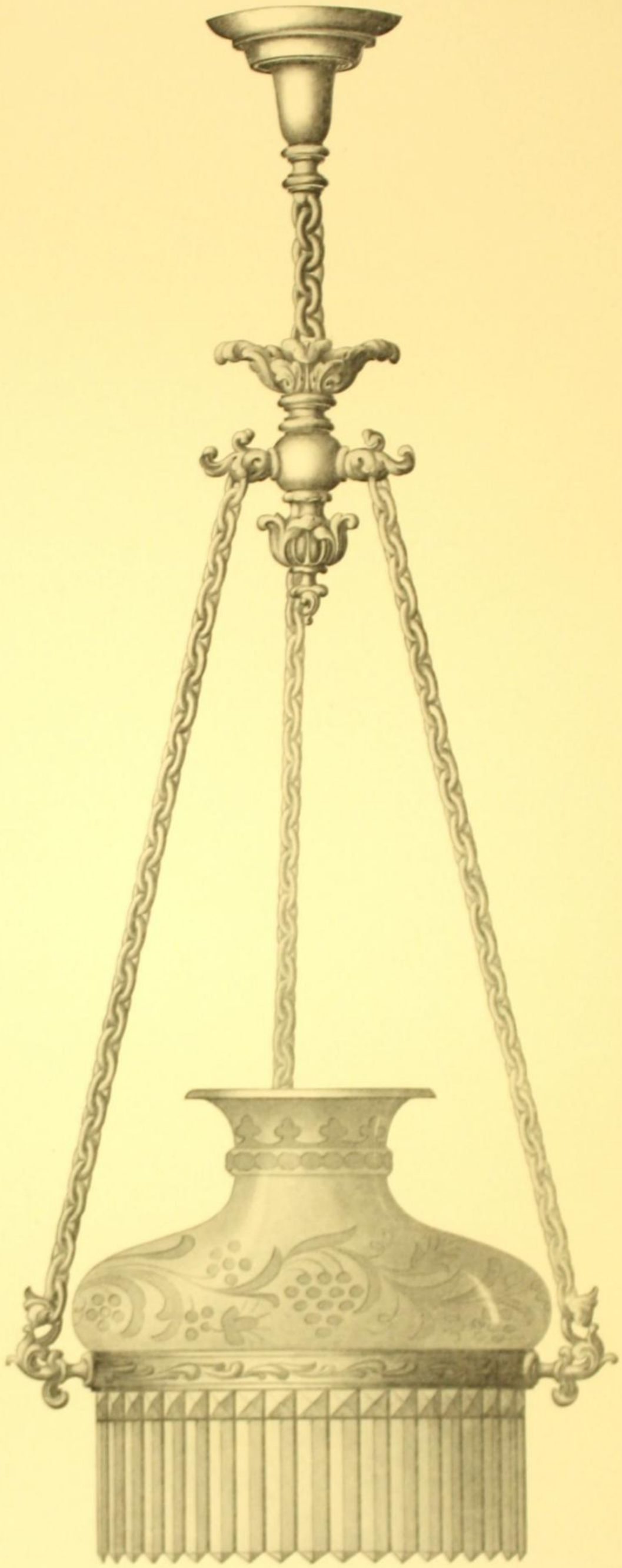
No. 18005
Scale, ⅕ full size
Spread, 13 inches
Length, 46 inches



No. 15038
Scale, ⅓ full size
Spread, 8 inches

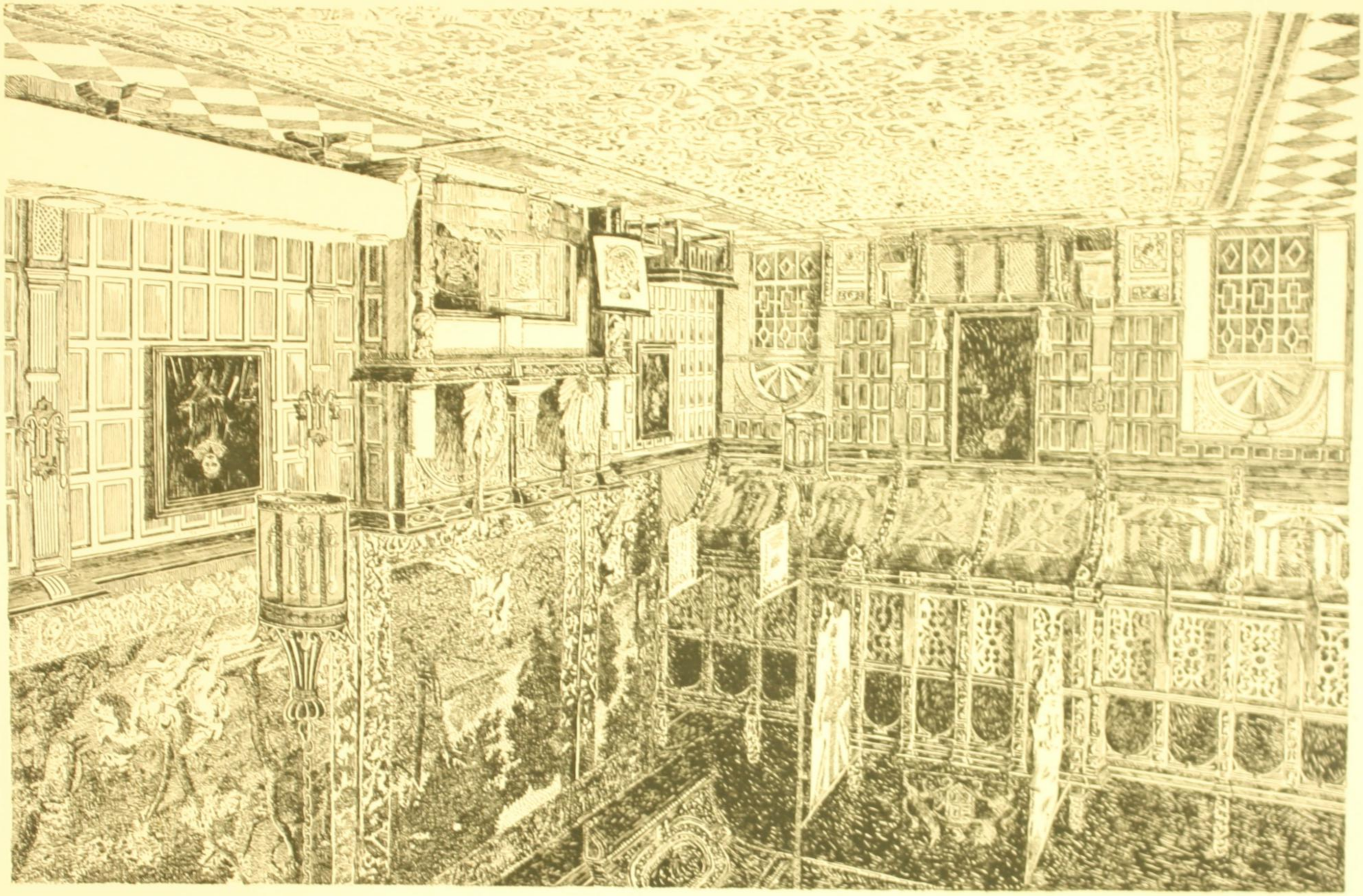


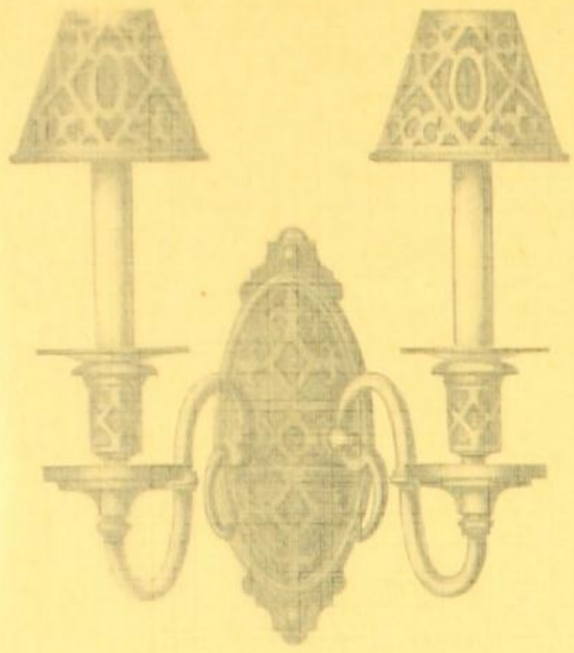
No. 15045-S
Scale, ⅓ full size
Spread, 8½ inches



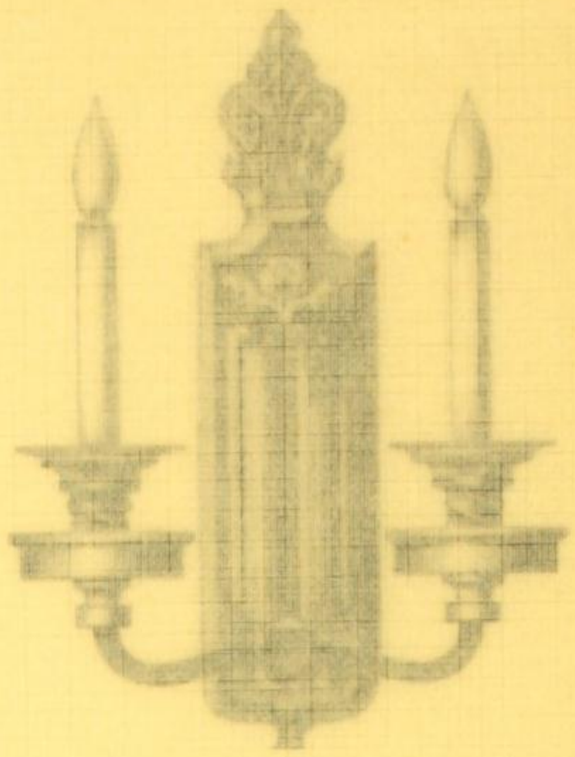
No. 10047
Scale, ½ full size
Spread, 19 inches
Length, 60 inches
[Plate Twenty-Four]

ENGLISH SECTION

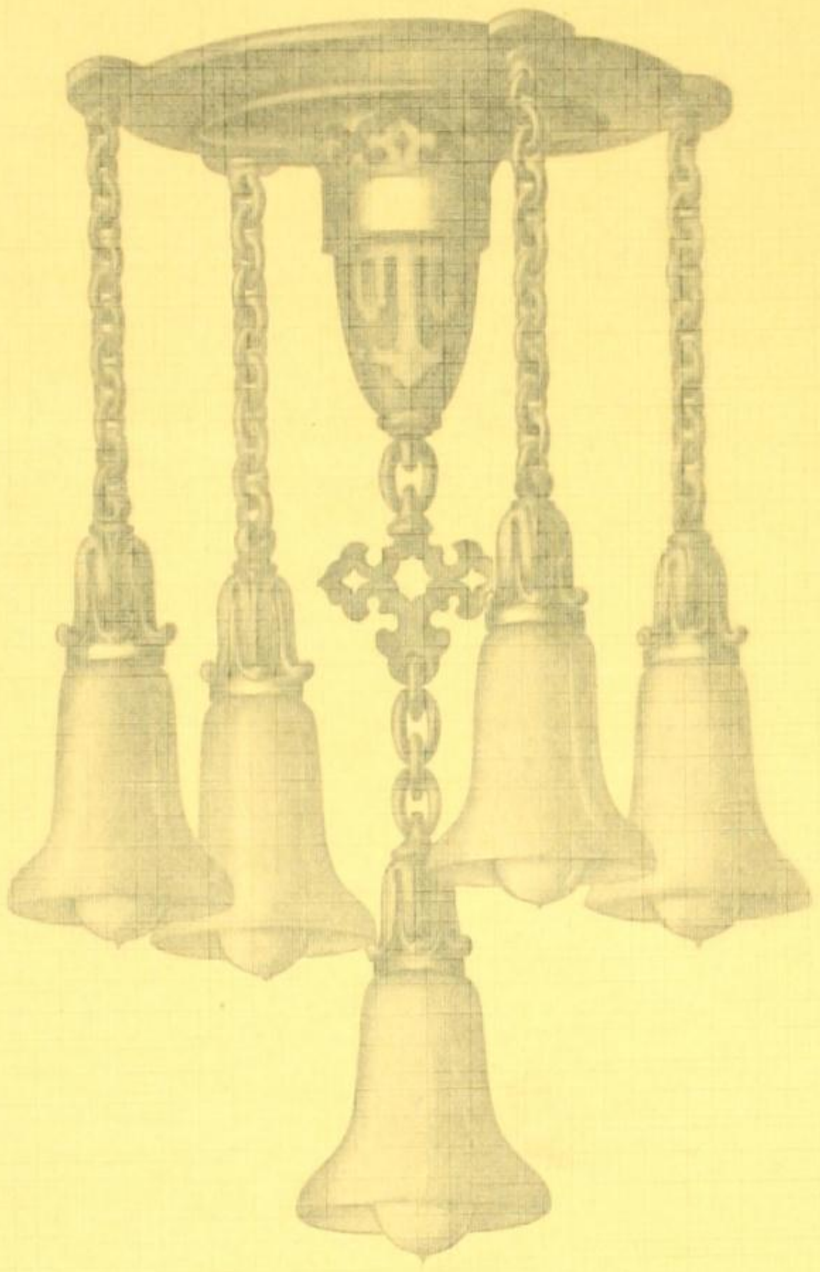




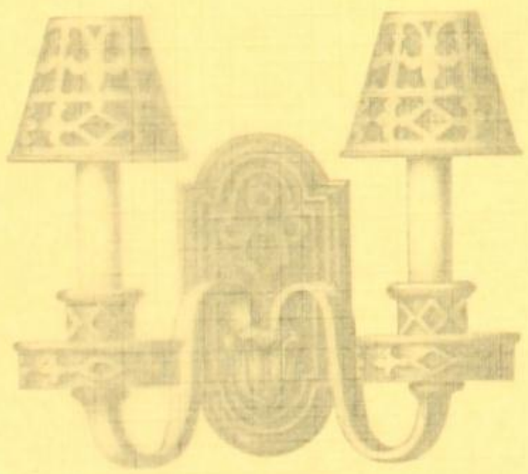
No. 15082
Scale, ½ full size
Spread, 8½ inches



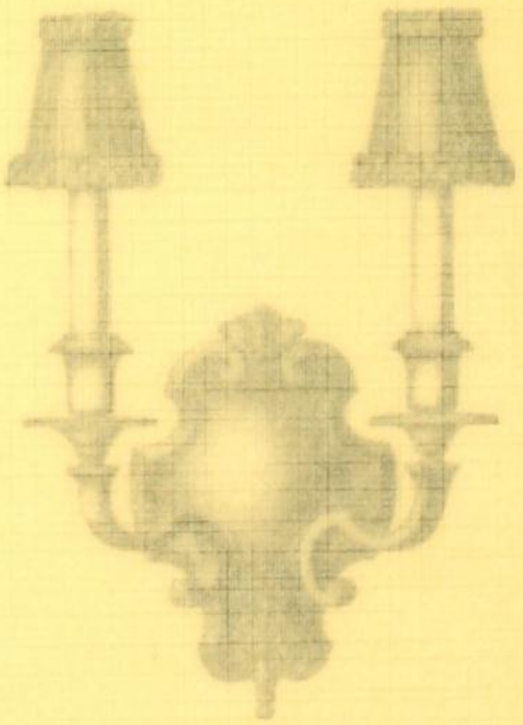
No. 13085
Scale, ½ full size
Spread, 9½ inches



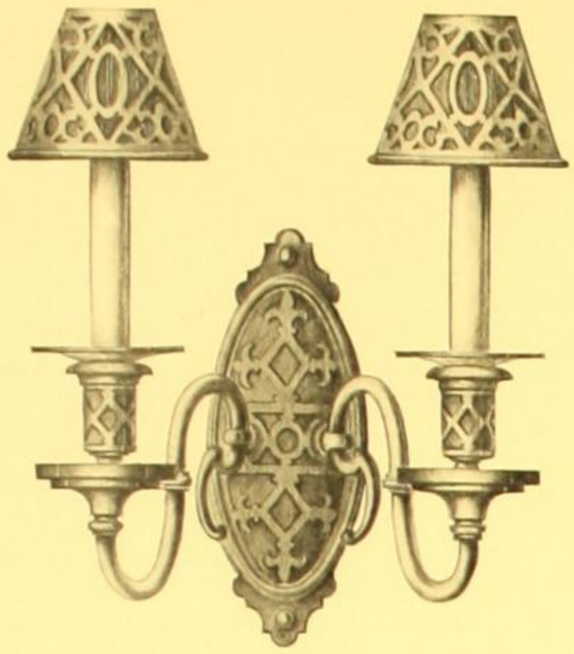
No. 13087-S
Scale, ⅛ full size
Spread, 15 inches
Length, 30 inches



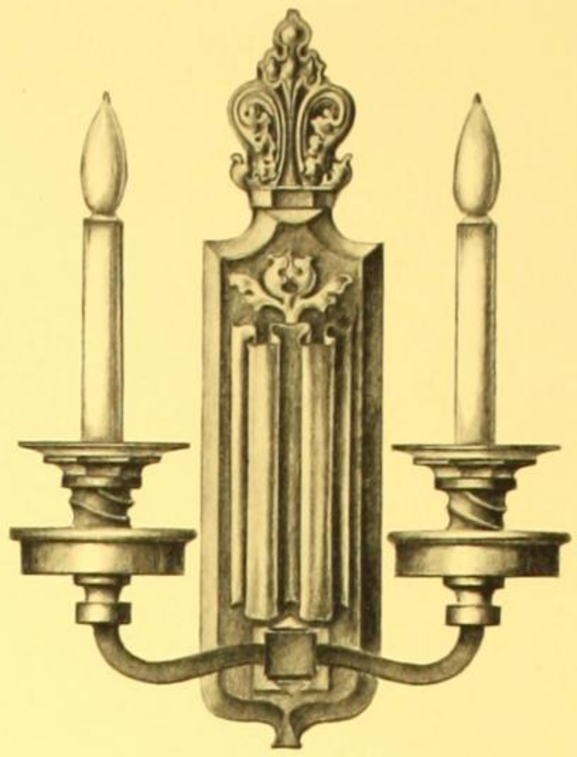
No. 15087
Scale, ½ full size
Spread, 8 inches



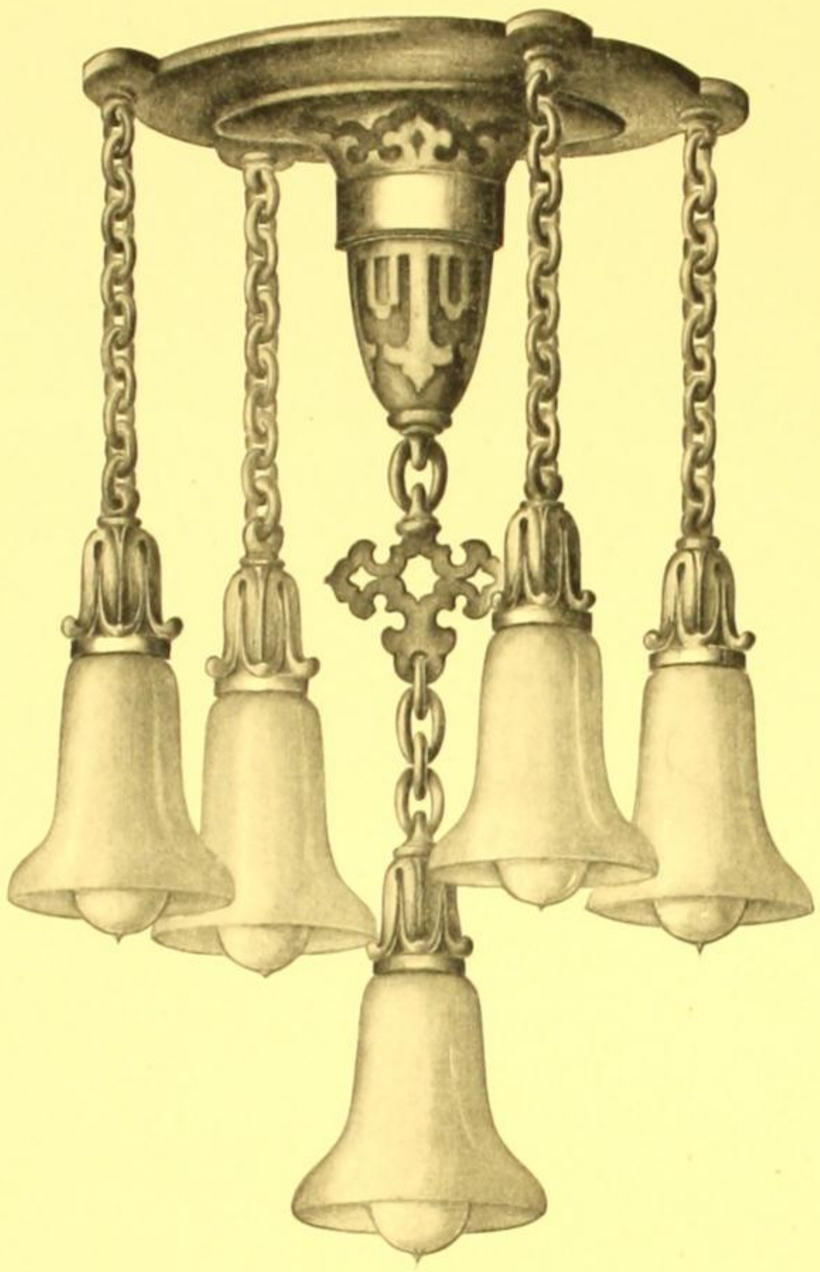
No. 15116
Scale, ½ full size
Spread, 8½ inches



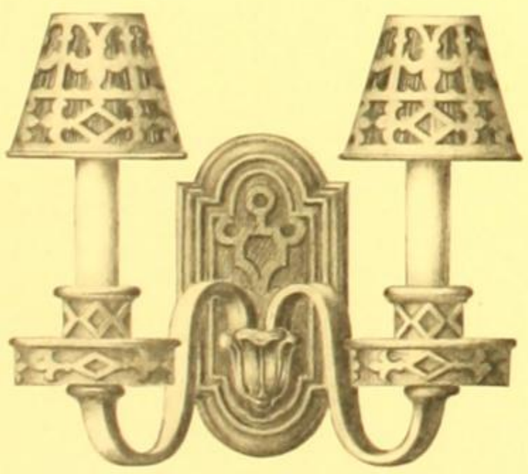
No. 15082
Scale, ⅓ full size
Spread, 8½ inches



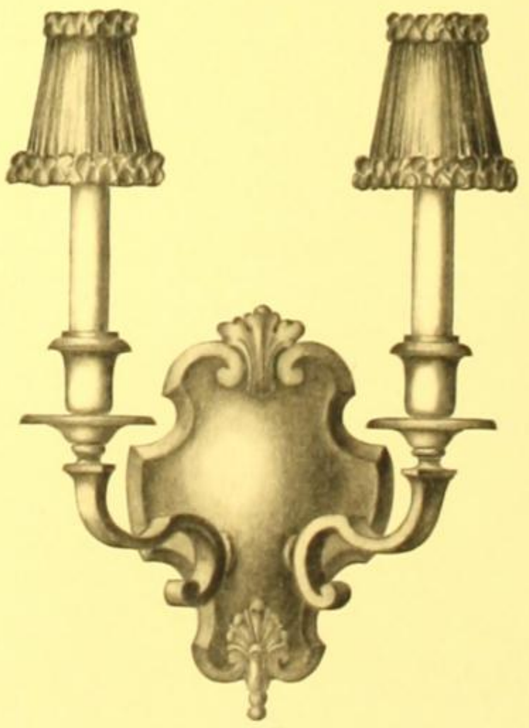
No. 15095
Scale, ⅓ full size
Spread, 9½ inches



No. 13087-S
Scale, ⅓ full size
Spread, 15 inches
Length, 30 inches

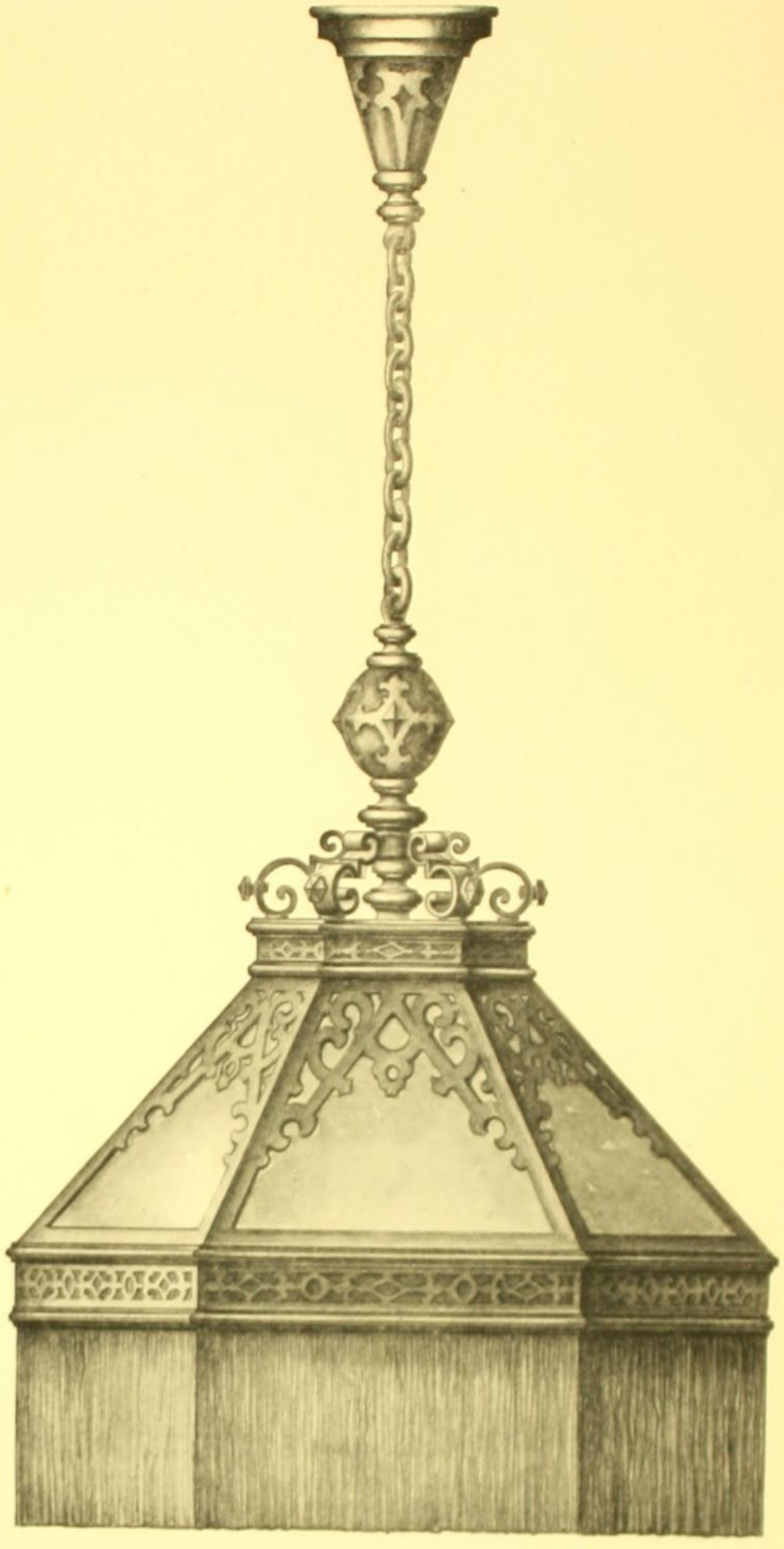


No. 15087
Scale, ⅓ full size
Spread, 8 inches

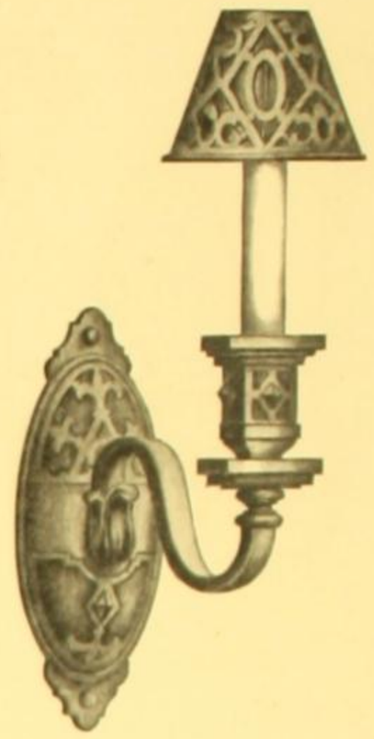


No. 15115
Scale, ⅓ full size
Spread, 8½ inches

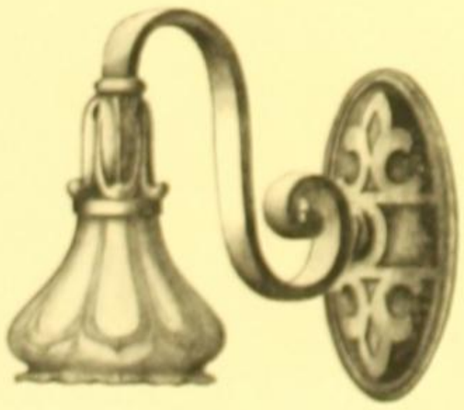
No. 15090
Scale, ⅓ full size
Extension, 6 inches



No. 10048
Scale, ⅓ full size
Spread, 24 inches
Length, 49 inches

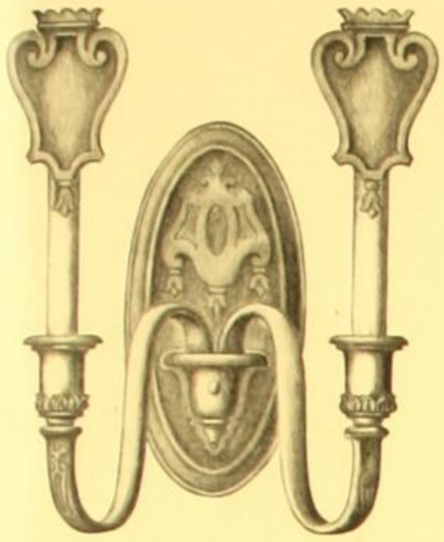


No. 15116
Scale, ⅓ full size
Extension, 7 inches

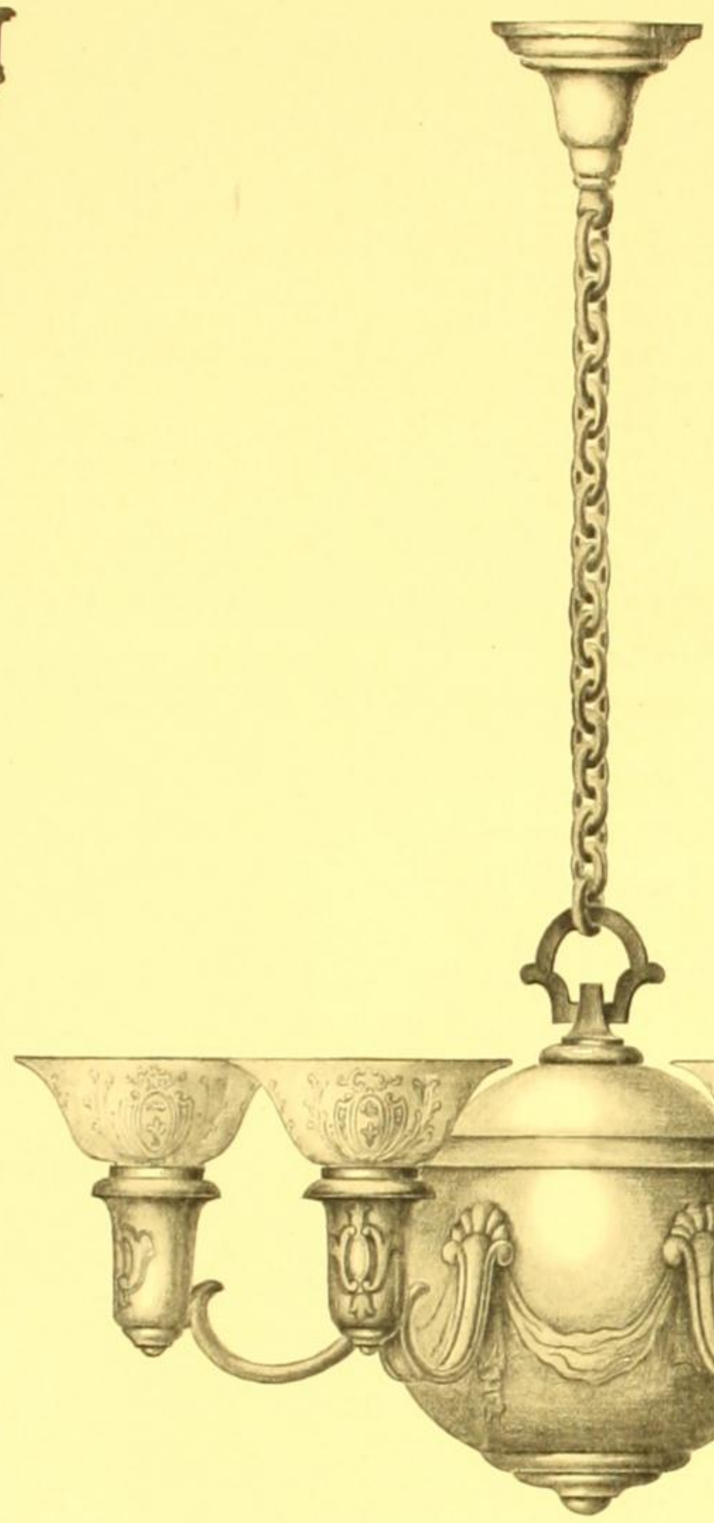


No. 15117
Scale, ⅓ full size
Extension, 6½ inches

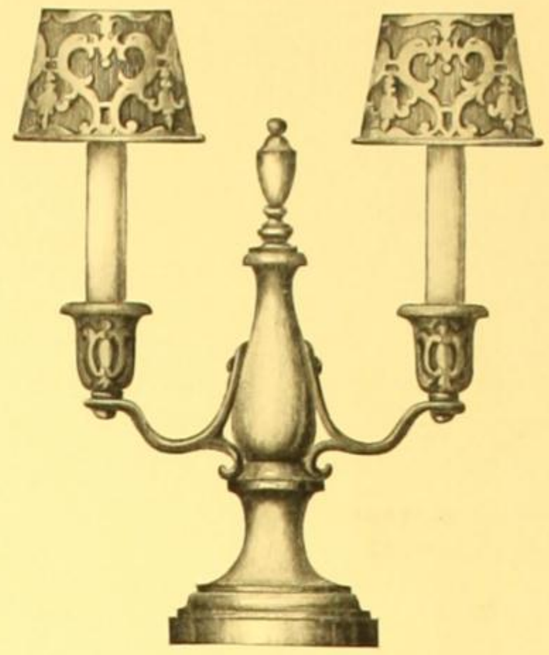
No. 15092
Scale, ⅓ full size
Extension, 6½ inches



No. 15118
Scale, ⅕ full size
Spread, 7½ inches

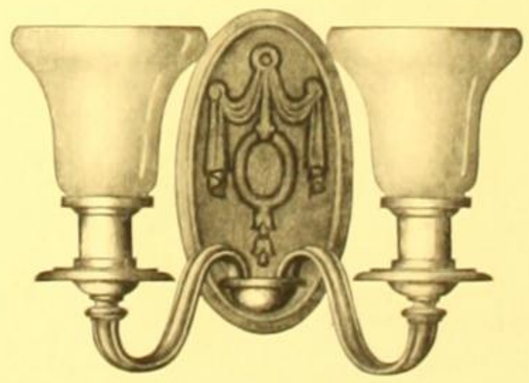


No. 10034
Scale, ⅕ full size
Spread, 21 inches
Length, 35 inches



No. 19018
Scale, ⅕ full size
Spread, 8 inches
Height, 15 inches

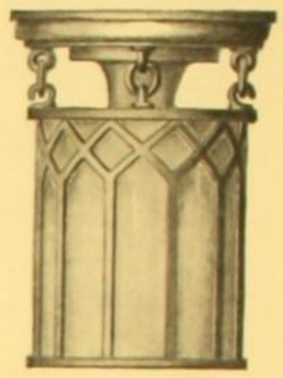
No. 15075
Scale, ⅕ full size
Spread, 8½ inches



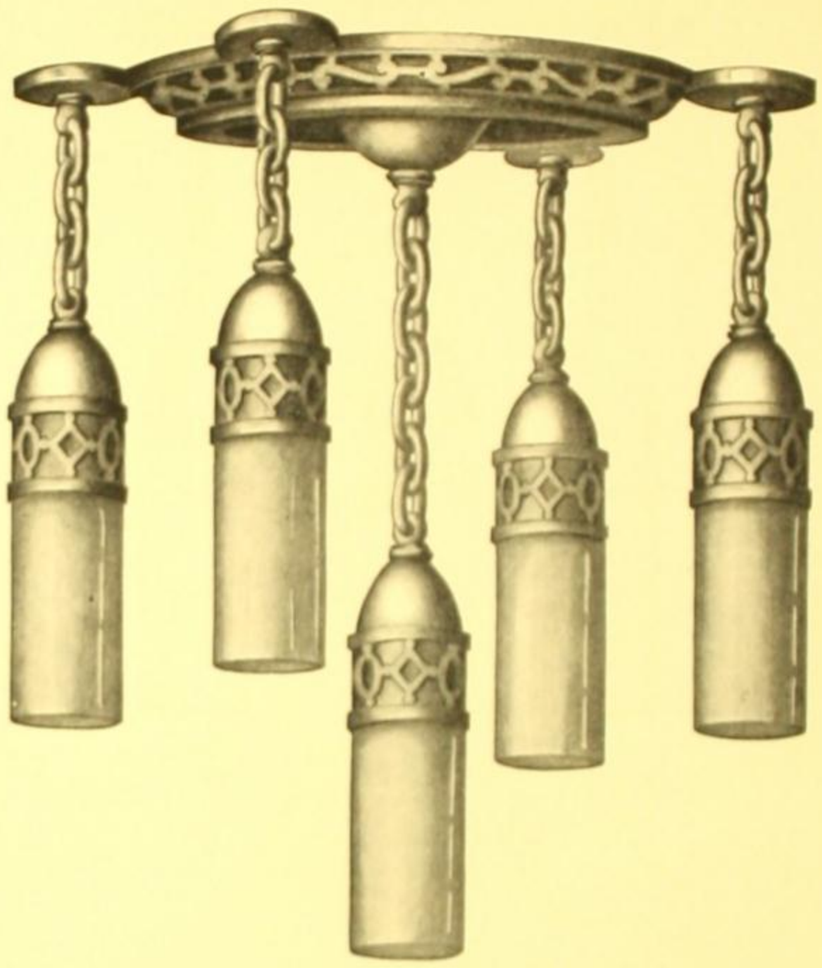
No. 15119
Scale, ⅕ full size
Spread, 8 inches

No. 13088
Scale, ⅓ full size
Spread, 5 inches
Length, 11 inches

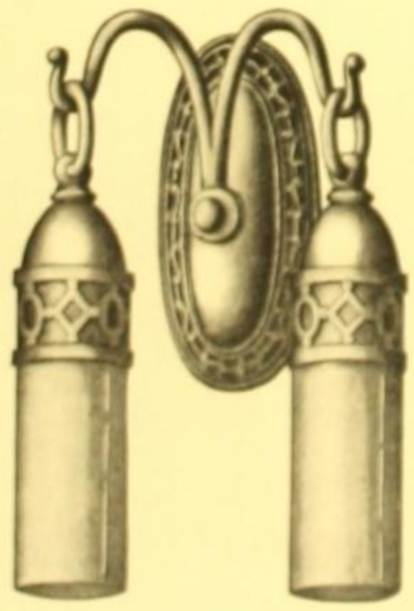
No. 13075
Scale, ⅓ full size
Length, 15 inches



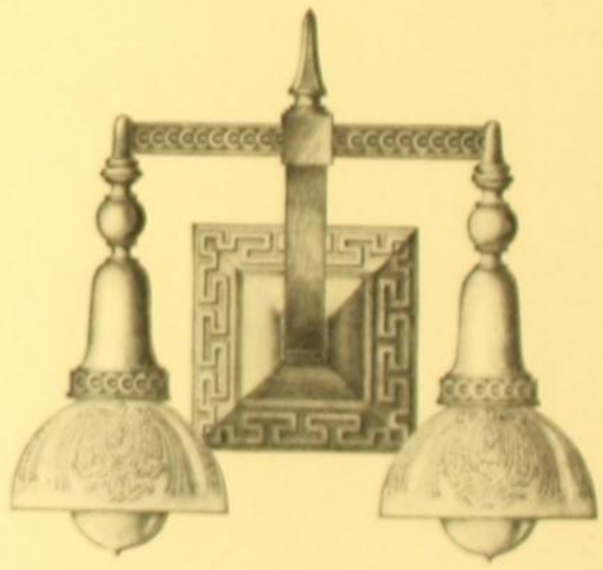
No. 13060
Scale, ⅓ full size
Spread, 5 inches
Length, 8 inches



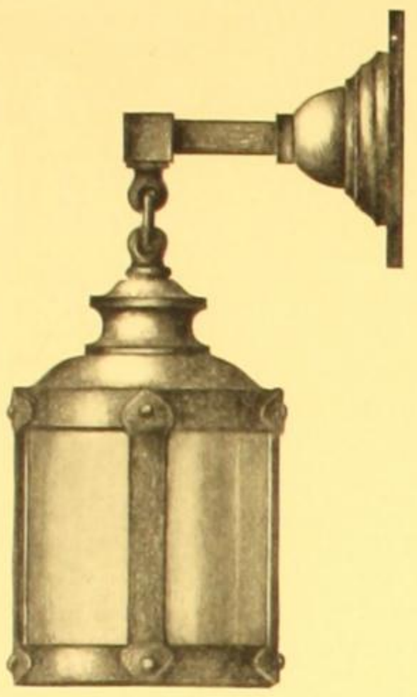
No. 13089
Scale, ⅓ full size
Spread, 16 inches
Length, 22 inches



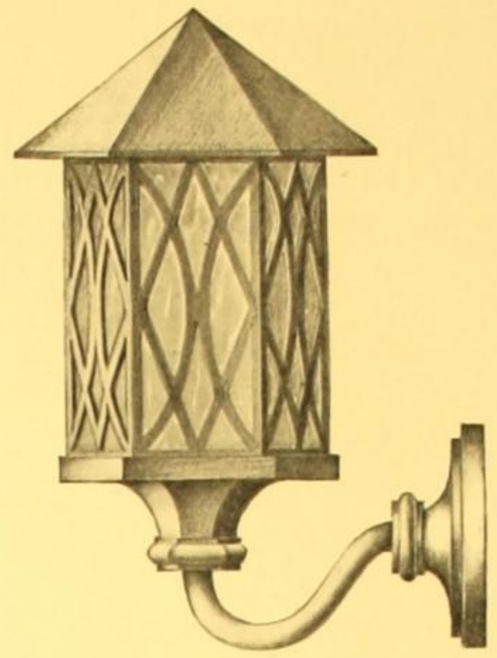
No. 13120
Scale, ⅓ full size
Spread, 7½ inches



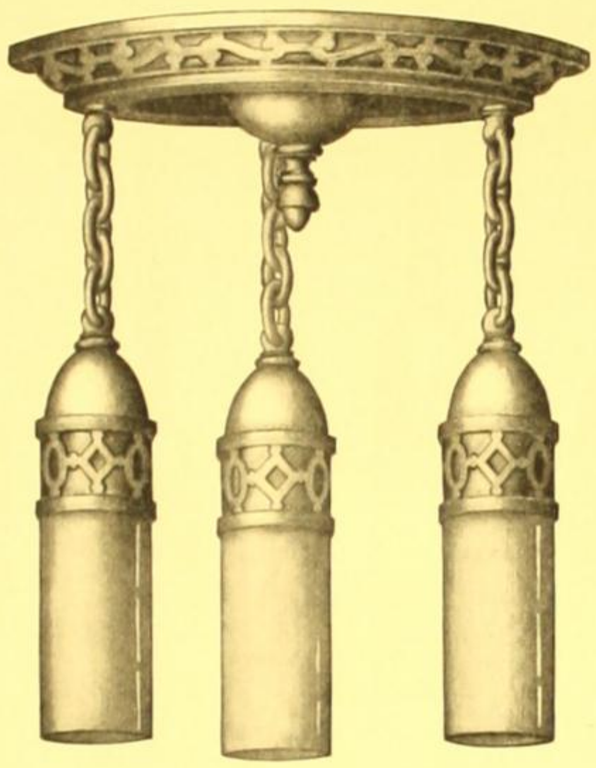
No. 13097
Scale, ⅓ full size
Spread, 8½ inches



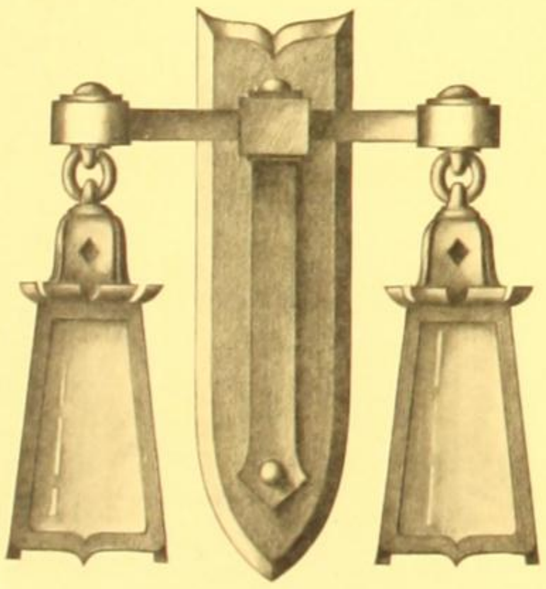
No. 15121
Scale, ⅕ full size
Spread, 6 inches
Extension, 6 inches
Length, 13 inches



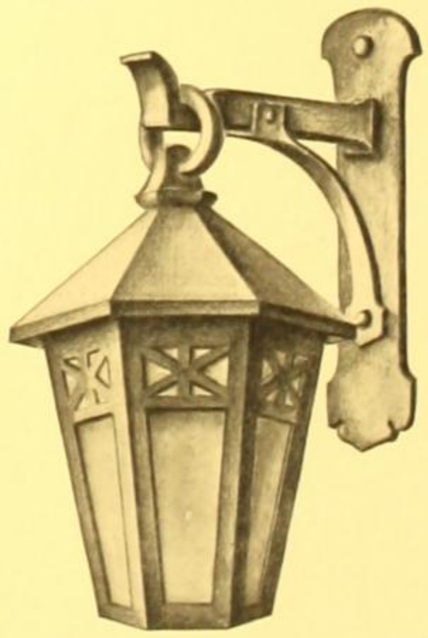
No. 15079
Scale, ⅕ full size
Spread, 6 inches
Extension, 7 inches



No. 13090
Scale, ⅕ full size
Spread, 10 inches
Length, 17½ inches

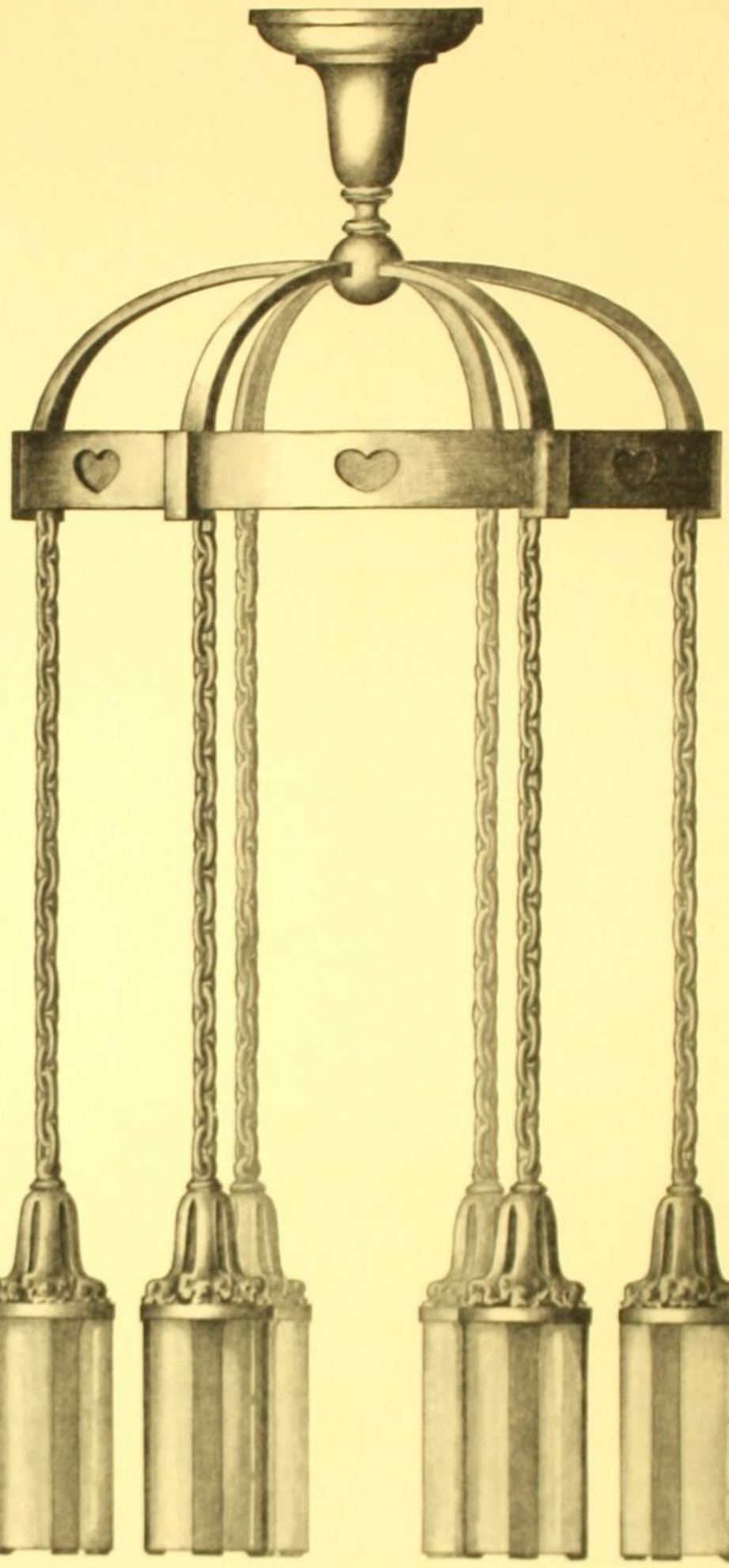


No. 15122
Scale, ⅕ full size
Spread, 9 inches



No. 15123
Scale, ⅕ full size
Spread, 7½ inches
Length, 13 inches

No. 19014
Scale, ⅛ full size
Height, 18 inches

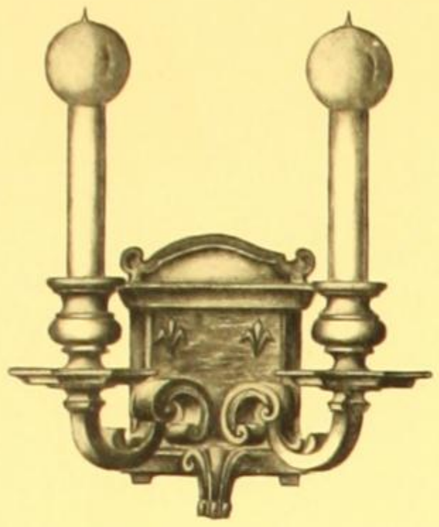


No. 13091
Scale, ⅛ full size
Spread, 18½ inches
Length, 45 inches

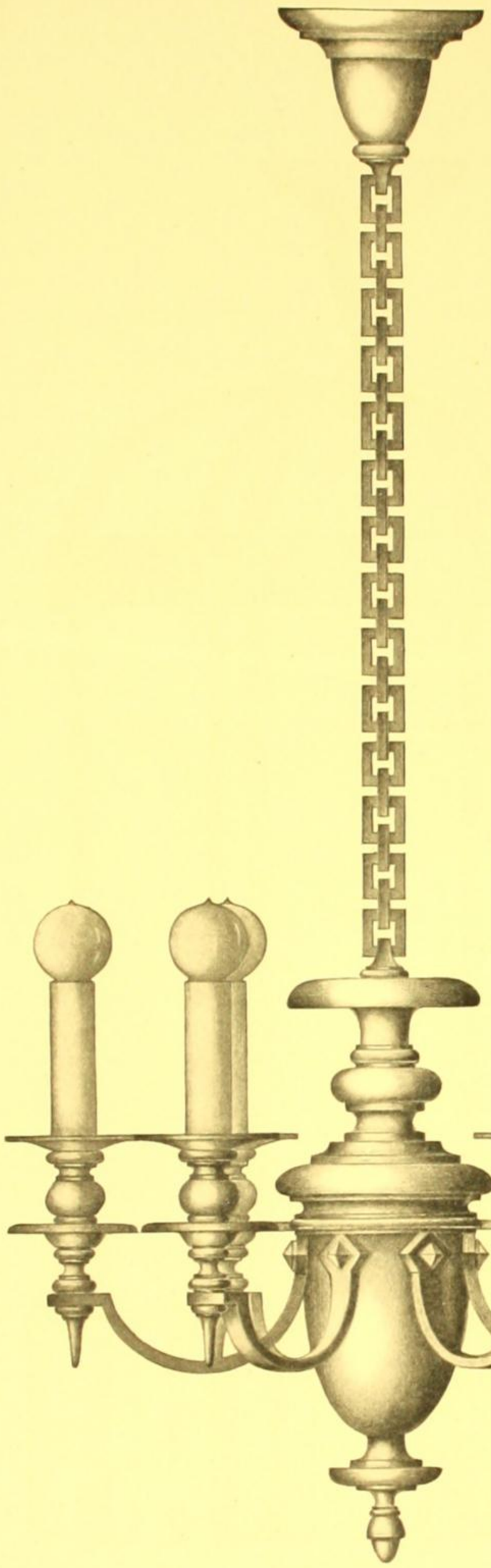
No. 19017
Scale, ⅛ full size
Height, 17½ inches

No. 13094
Scale, ½ full size
Extension, 5 inches

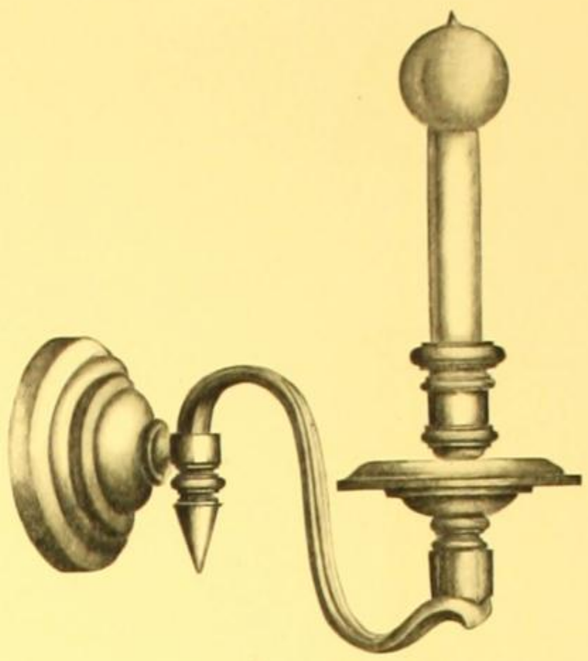
No. 19009
Scale, ⅛ full size
Height, 17½ inches



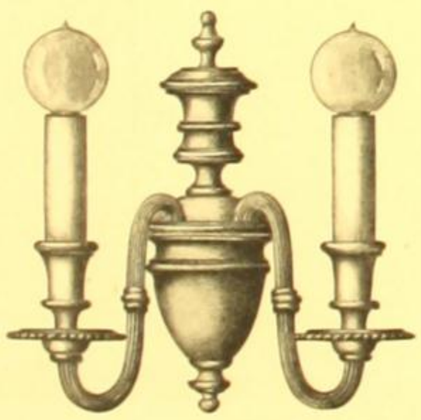
No. 15124
Scale, ⅕ full size
Spread, 6½ inches



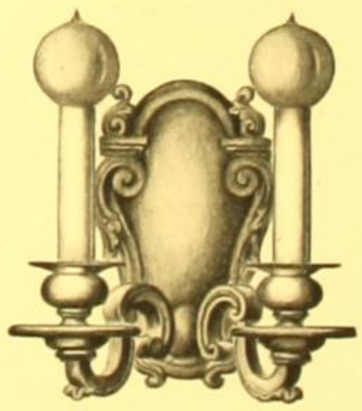
No. 10040
Scale, ⅕ full size
Spread, 21 inches
Length, 51 inches



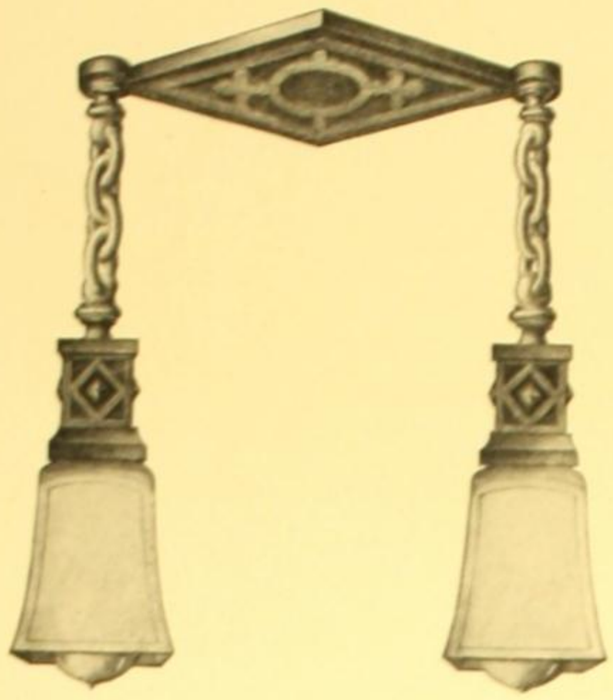
No. 15125
Scale, ⅕ full size
Extension, 10 inches



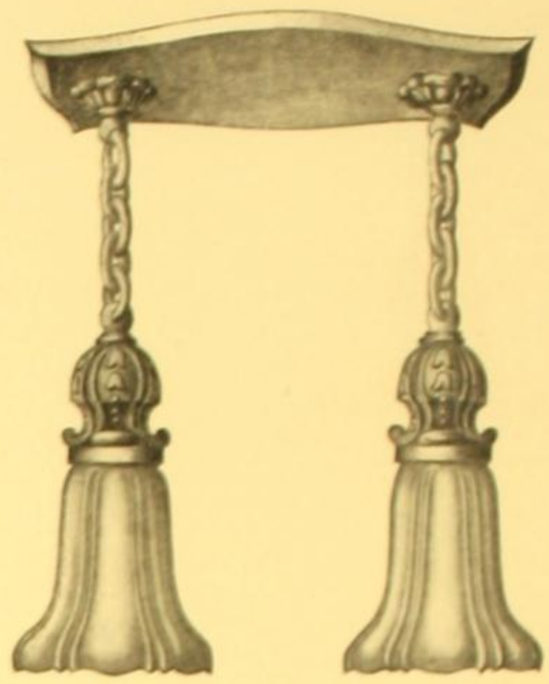
No. 15126
Scale, ⅕ full size
Spread, 7 inches



No. 15127
Scale, ⅕ full size
Spread, 5½ inches

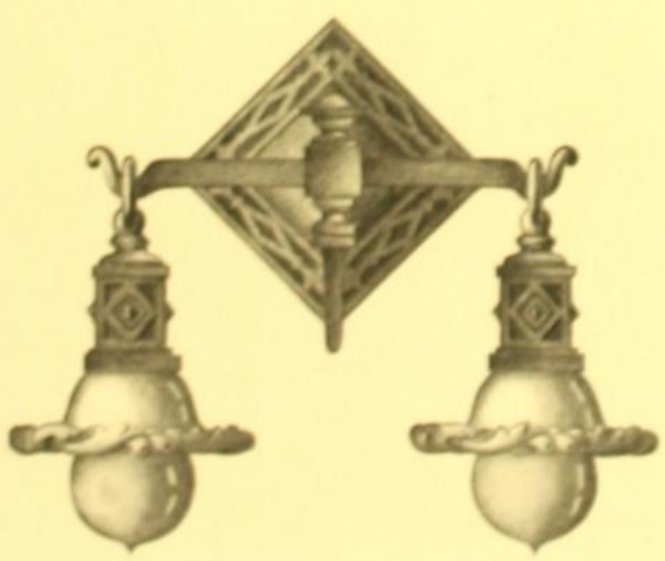


No. 13069
Scale, ½ full size
Spread, 10½ inches
Length, 15 inches

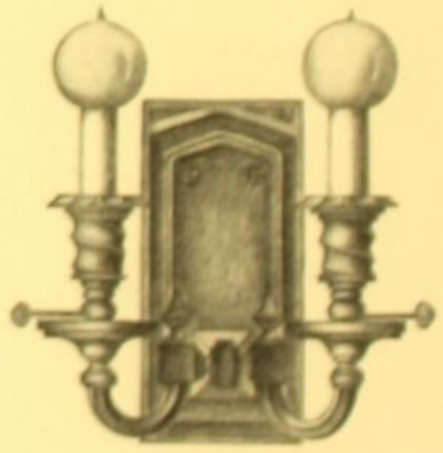


No. 13092
Scale, ½ full size
Spread, 7½ inches
Length, 15 inches

No. 13066
Scale, ½ full size
Spread, 20 inches
Length, 13 inches

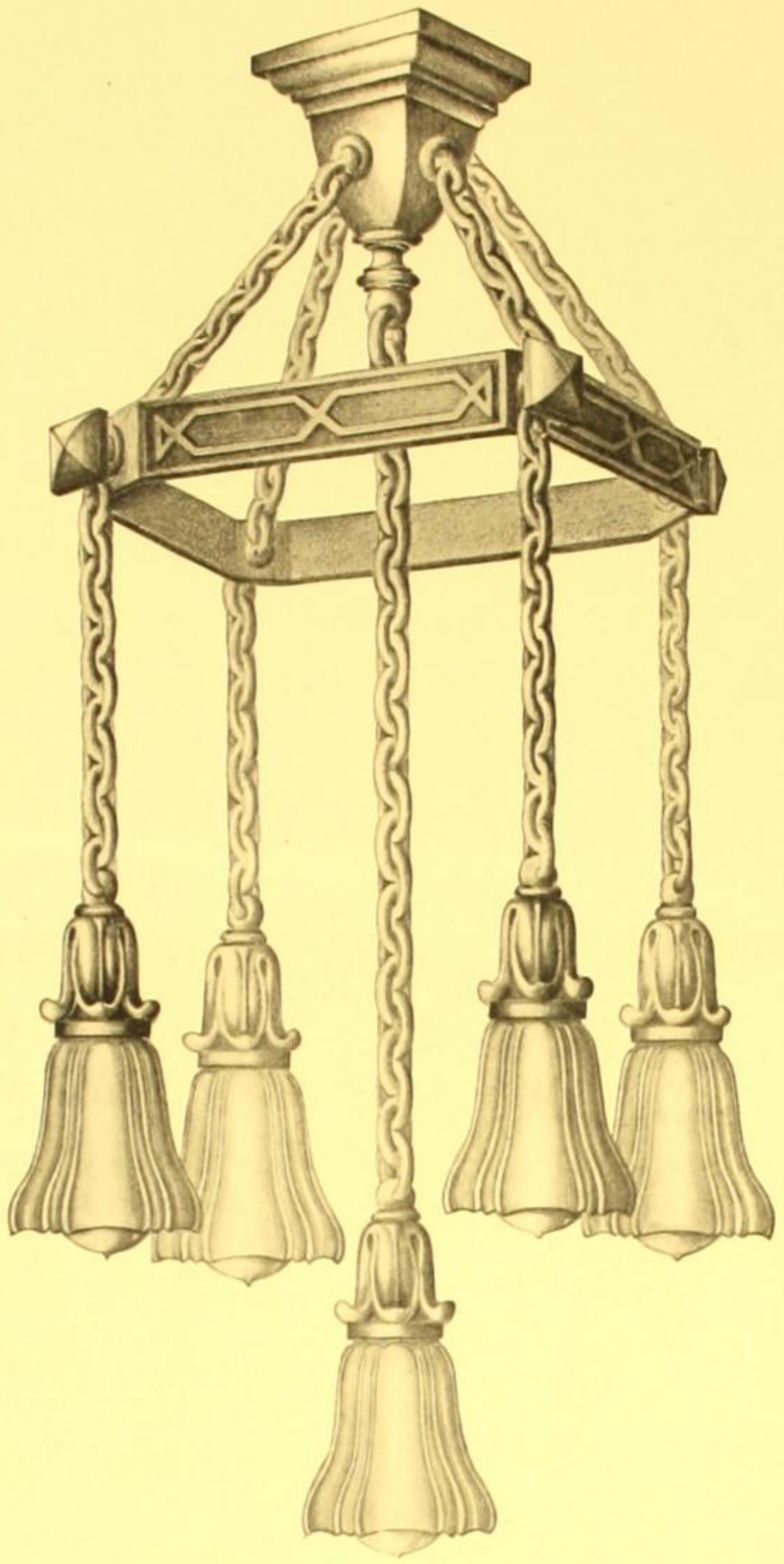


No. 15128
Scale, ½ full size
Spread, 10 inches

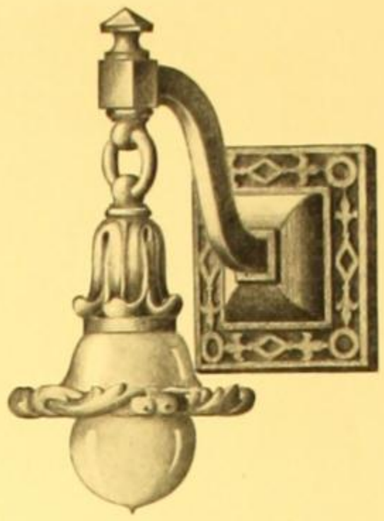


No. 15129
Scale, ½ full size
Spread, 6 inches

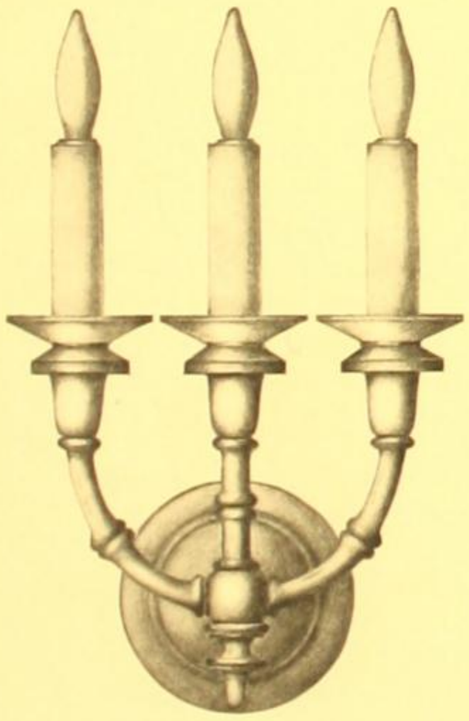
No. 13067
Scale, ⅕ full size
Length, 10½ inches



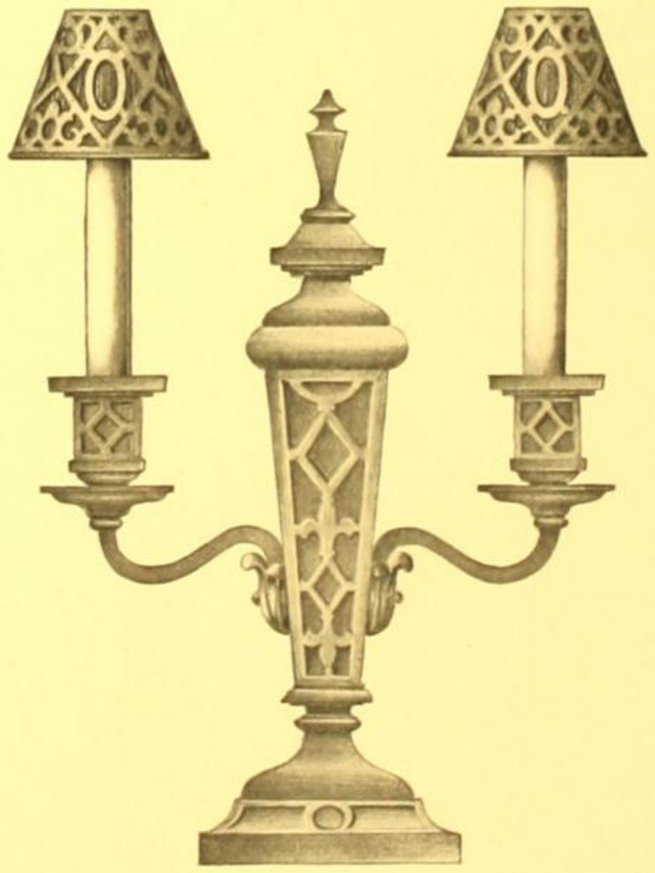
No. 13073-S
Scale, ⅕ full size
Spread, 16½ inches
Length, 36 inches



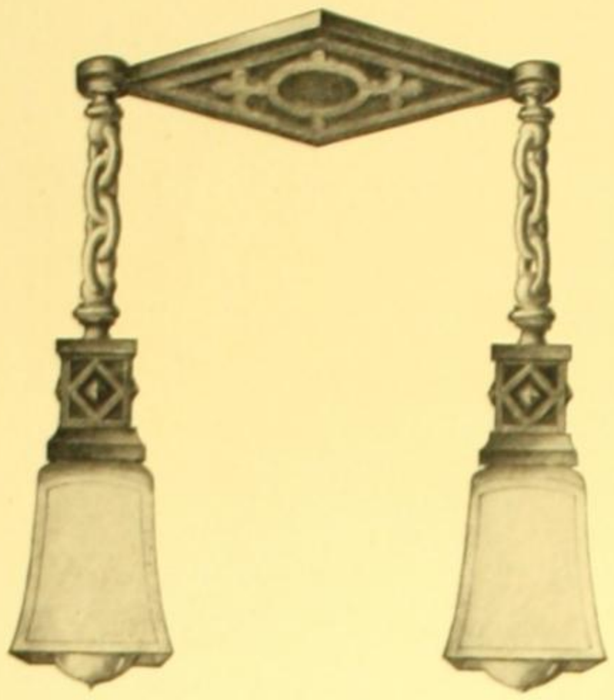
No. 15091
Scale, ⅕ full size
Extension, 6½ inches



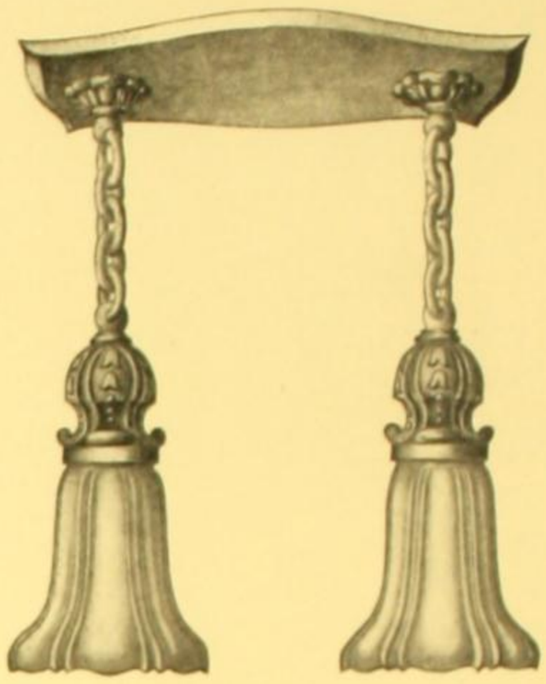
No. 15093
Scale, ⅕ full size
Spread, 7½ inches



No. 19013
Scale, ⅕ full size
Spread, 10½ inches
Height, 20 inches

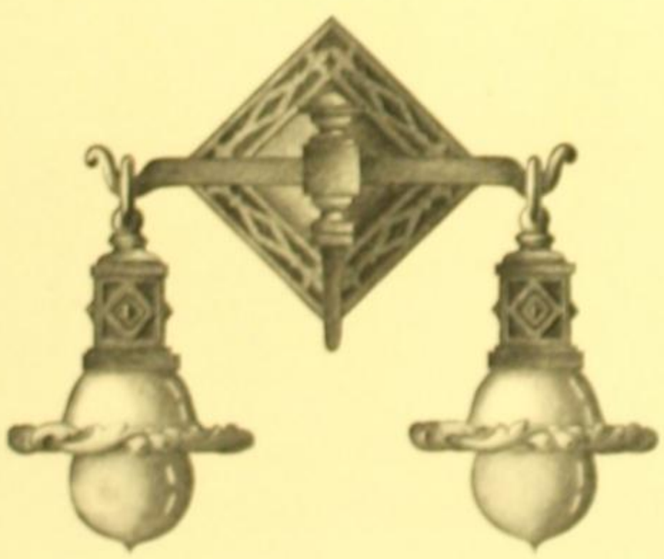


No. 13069
Scale, ½ full size
Spread, 10½ inches
Length, 15 inches

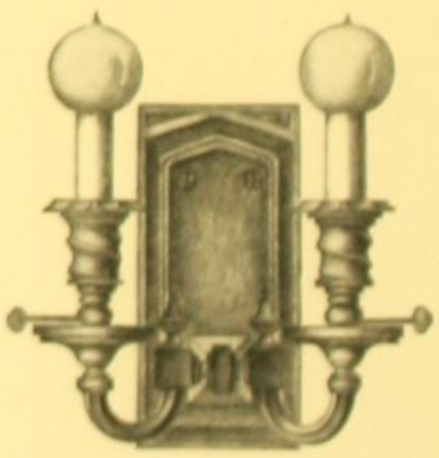


No. 13092
Scale, ½ full size
Spread, 7½ inches
Length, 15 inches

No. 13066
Scale, ½ full size
Spread, 20 inches
Length, 13 inches

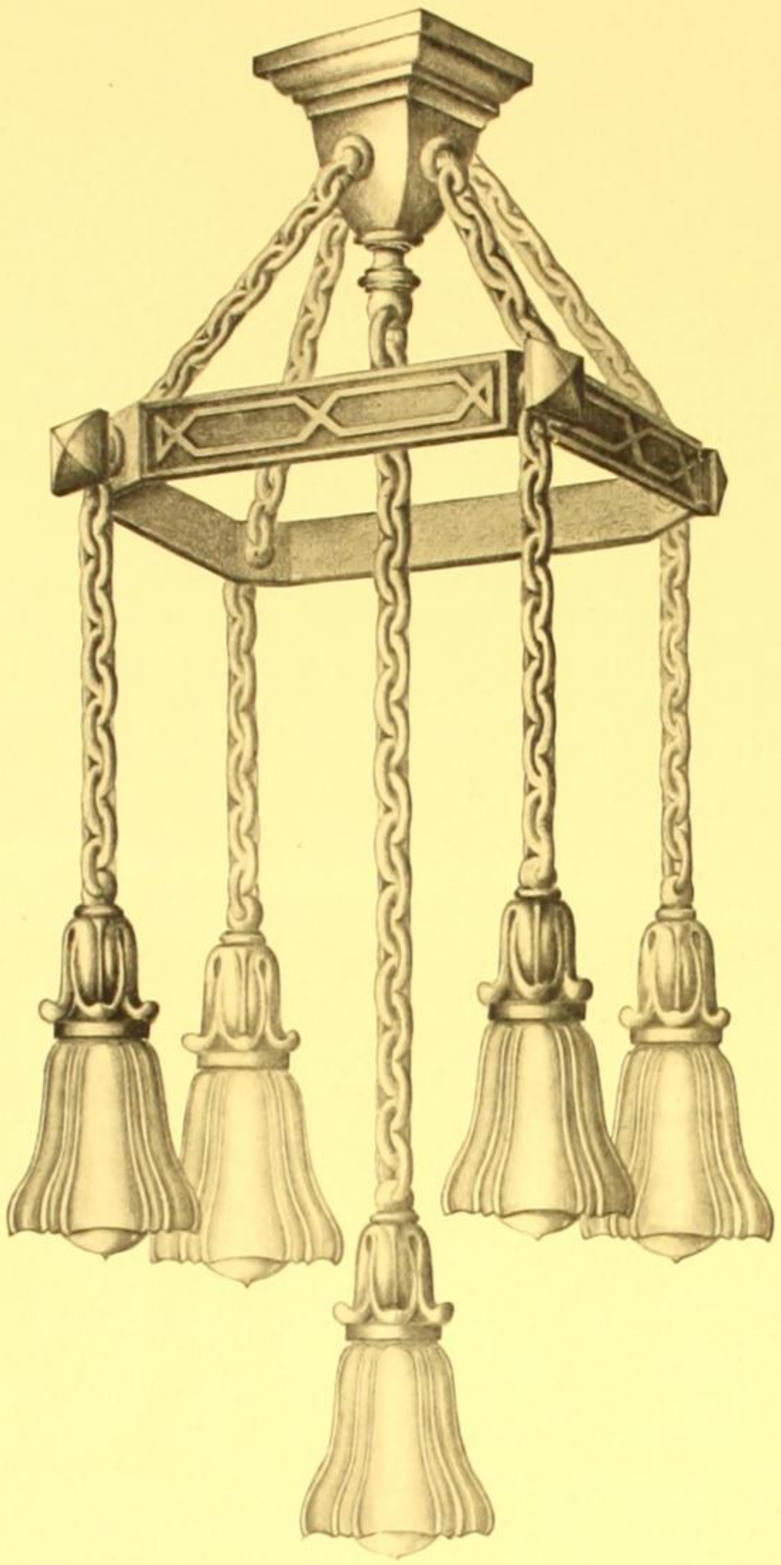


No. 15128
Scale, ½ full size
Spread, 10 inches

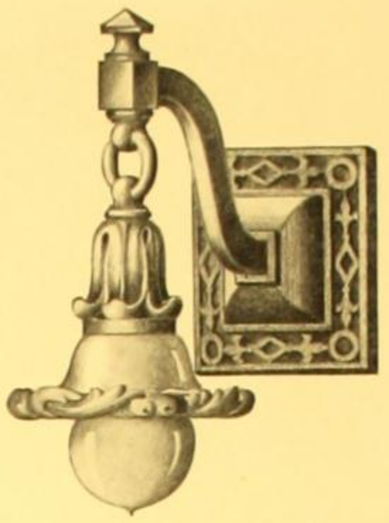


No. 15129
Scale, ½ full size
Spread, 6 inches

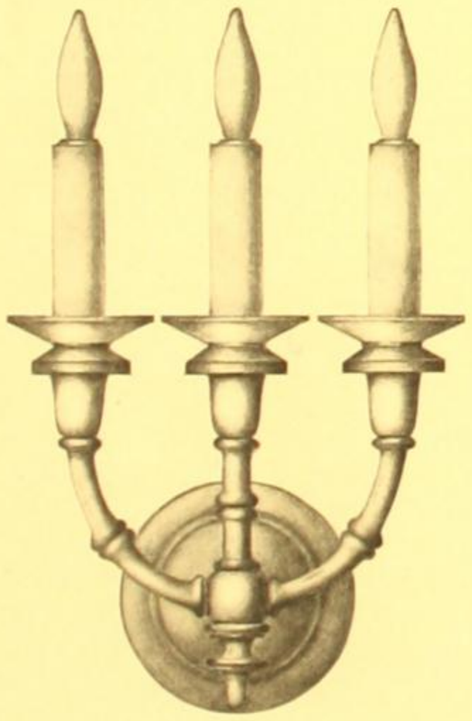
No. 13067
Scale, ⅕ full size
Length, 10½ inches



No. 13073-S
Scale, ⅕ full size
Spread, 16½ inches
Length, 36 inches

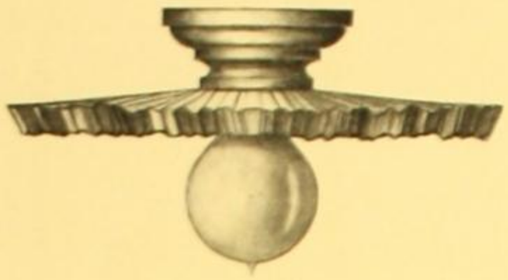


No. 15091
Scale, ⅕ full size
Extension, 6½ inches

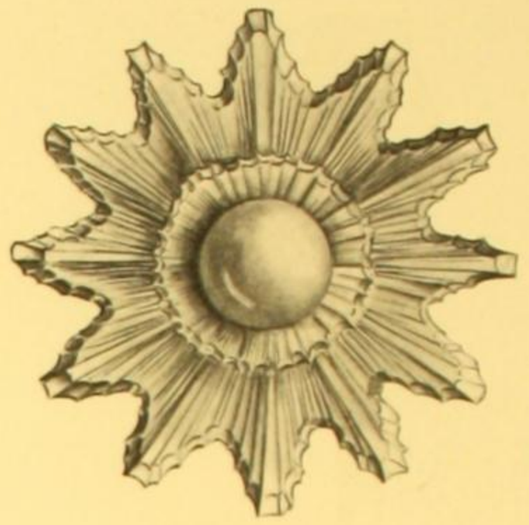


No. 15093
Scale, ⅕ full size
Spread, 7½ inches

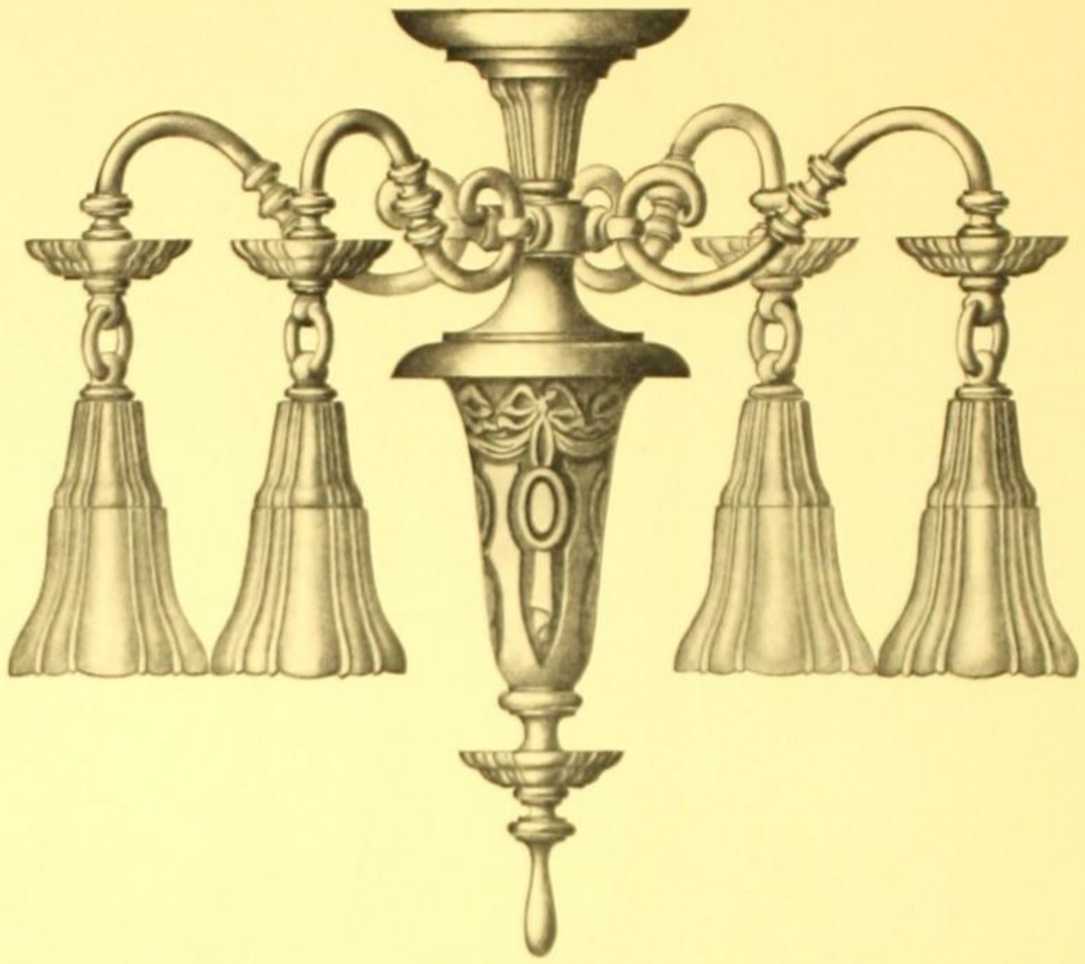
No. 19013
Scale, ⅕ full size
Spread, 10½ inches
Height, 20 inches



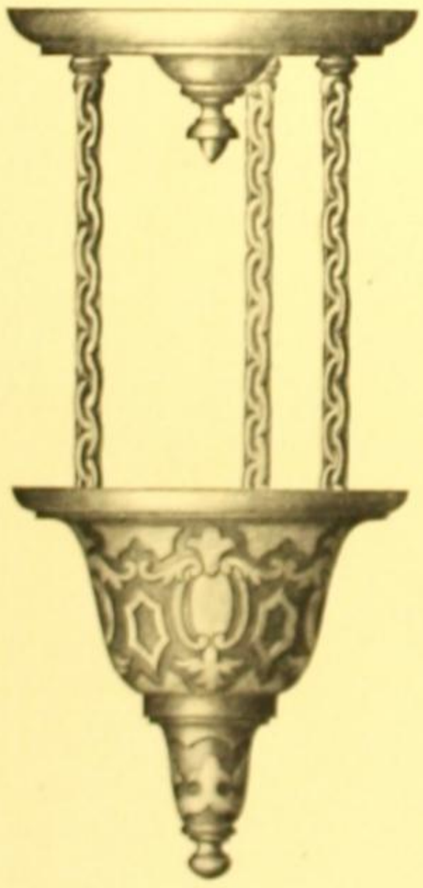
No. 13093-S
Scale, ⅕ full size
Spread, 11 inches
Length, 6 inches



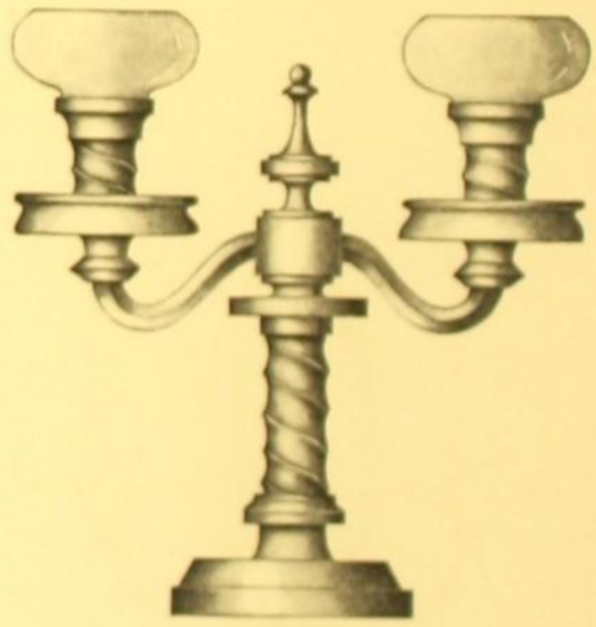
Plan of No. 13093-S



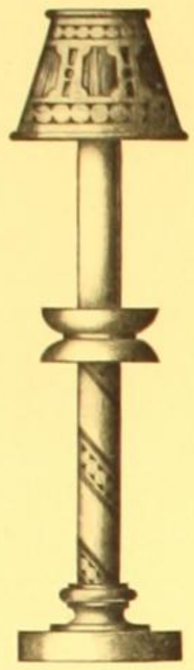
No. 13072
Scale, ⅕ full size
Spread, 21 inches
Length, 22½ inches



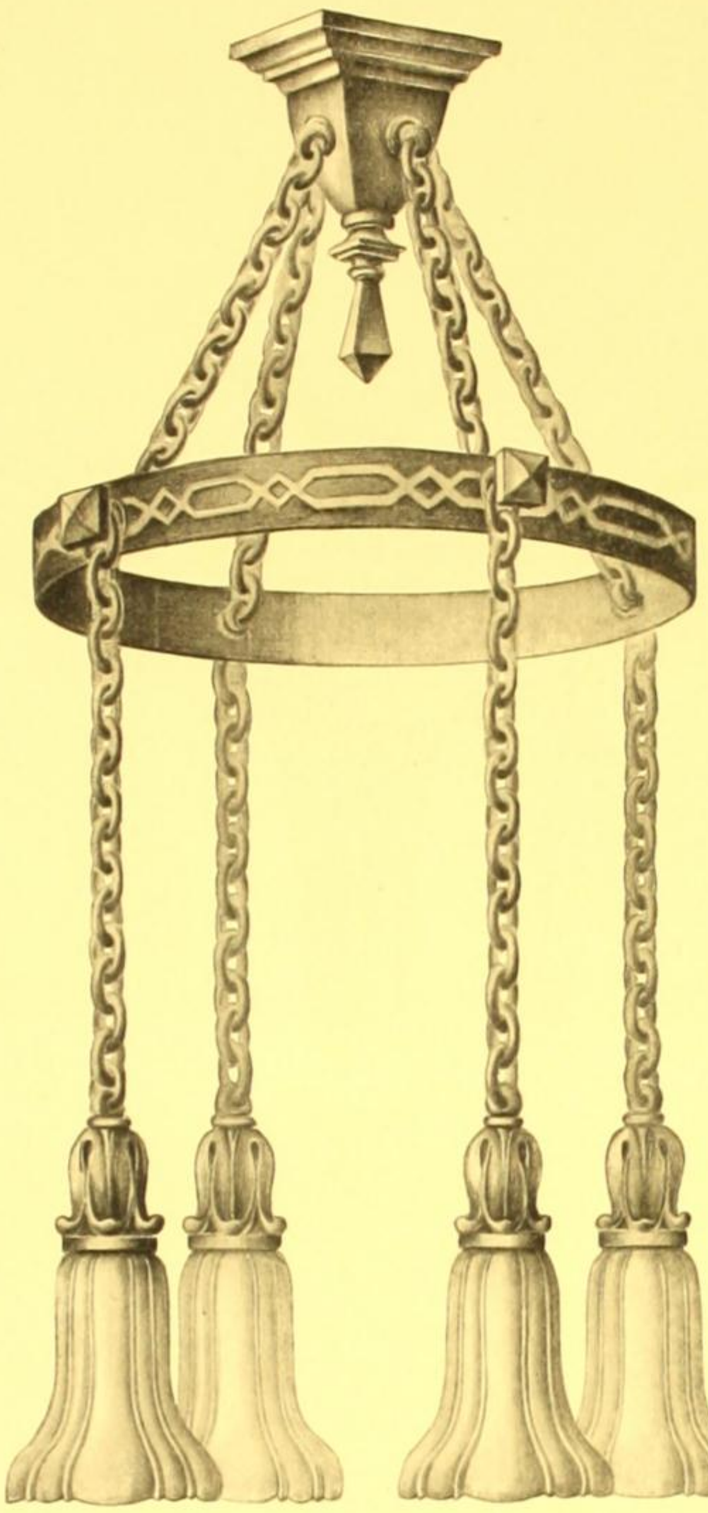
No. 13076
Scale, ⅕ full size
Spread, 6 inches
Length, 20 inches



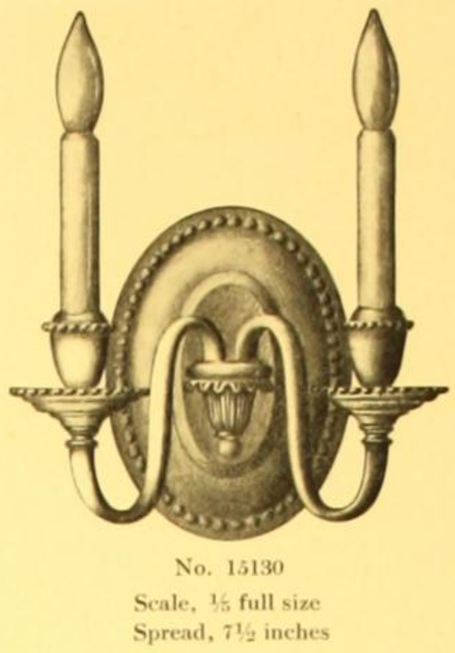
No. 19011
Scale, ⅓ full size
Spread, 9½ inches
Height, 14½ inches



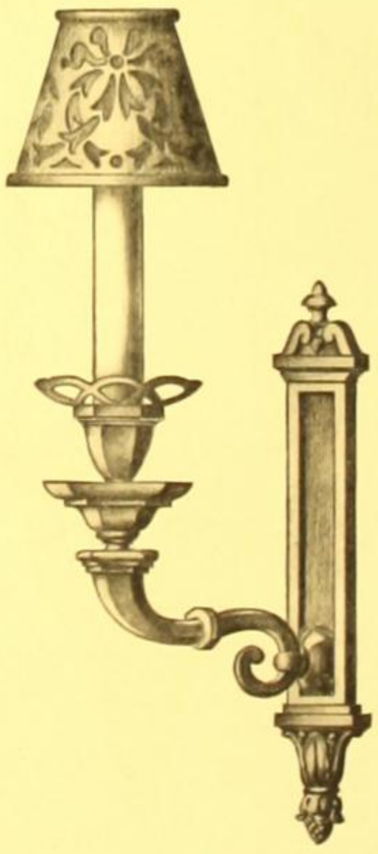
No. 19019
Scale, ⅕ full size
Height, 15½ inches



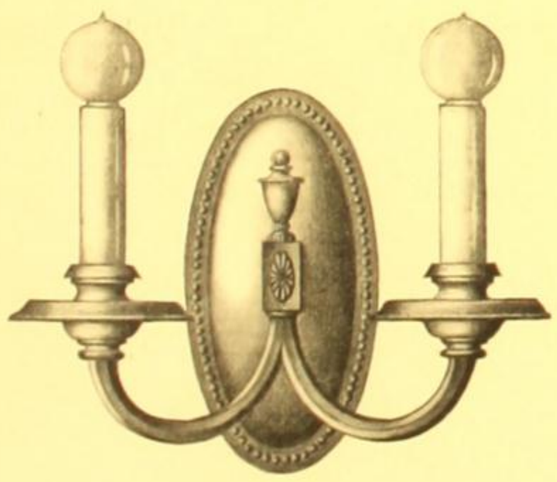
No. 13094-S
Scale, ⅕ full size
Spread, 13 inches
Length, 35 inches



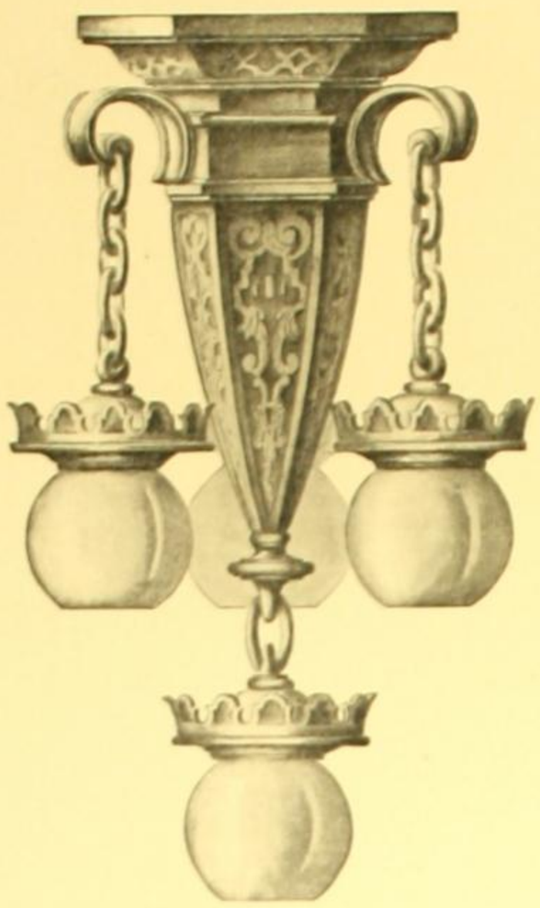
No. 15130
Scale, ⅕ full size
Spread, 7½ inches



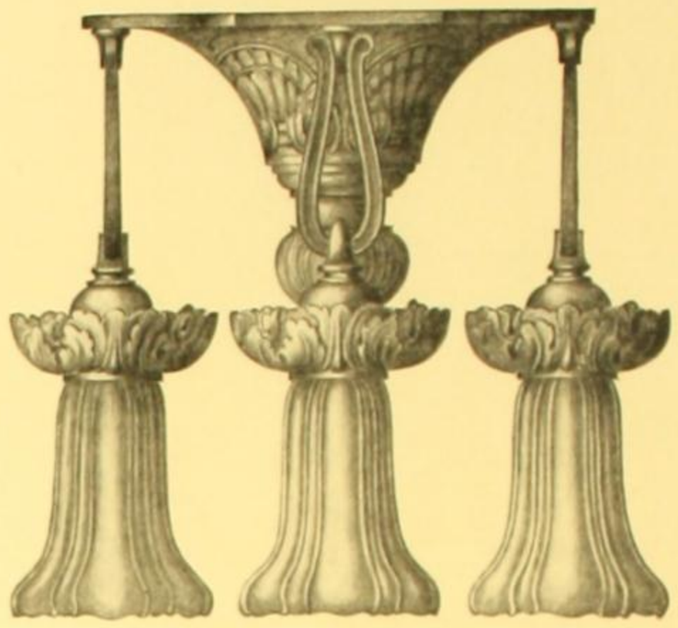
No. 15132
Scale, ⅕ full size
Height, 20 inches



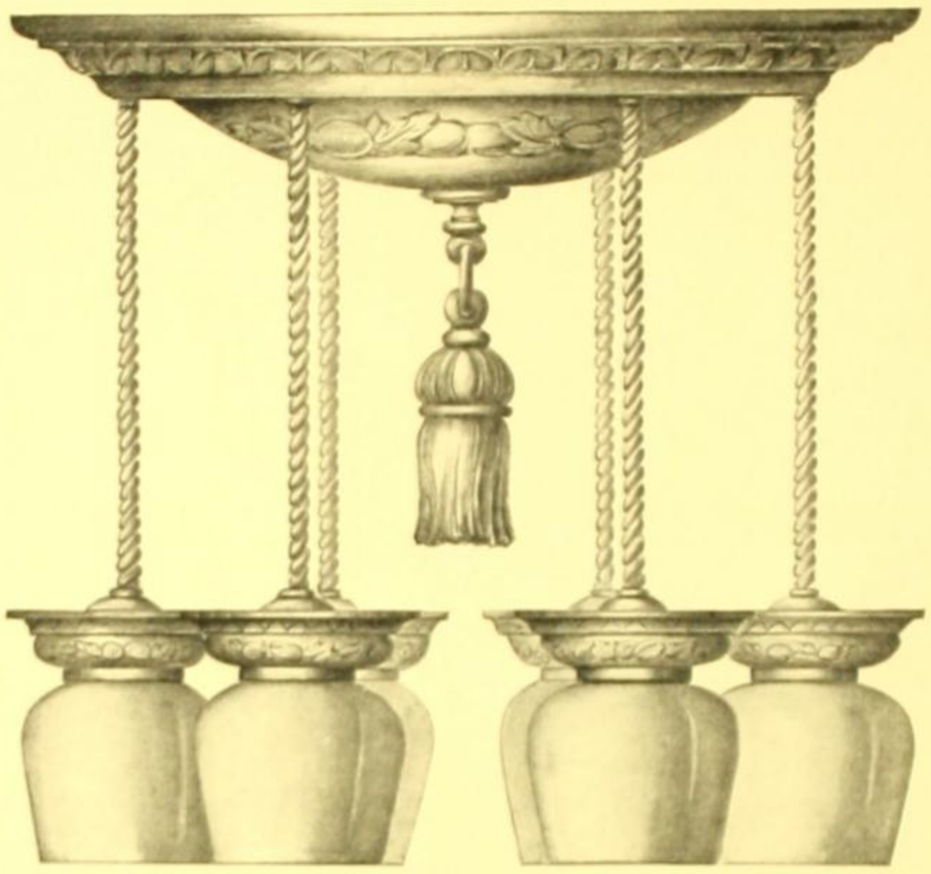
No. 15131
Scale, ⅕ full size
Spread, 8½ inches



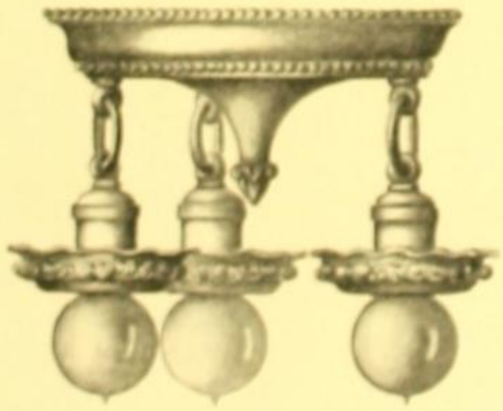
No. 13100
Scale, ½ full size
Spread, 8 inches
Length, 21 inches



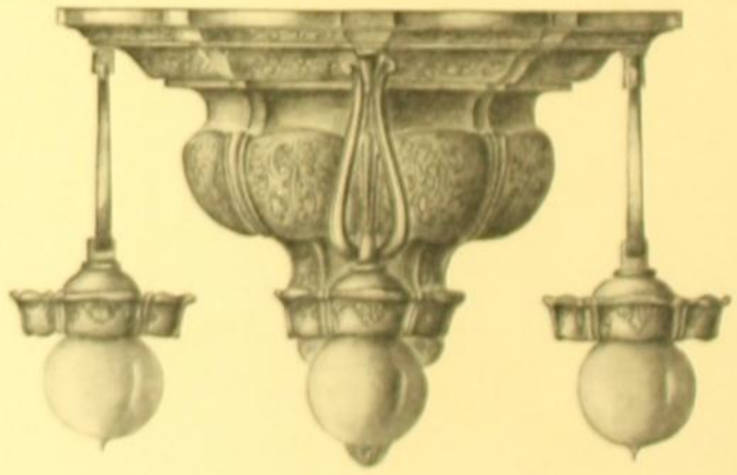
No. 13101
Scale, ½ full size
Spread, 10½ inches
Length, 14 inches



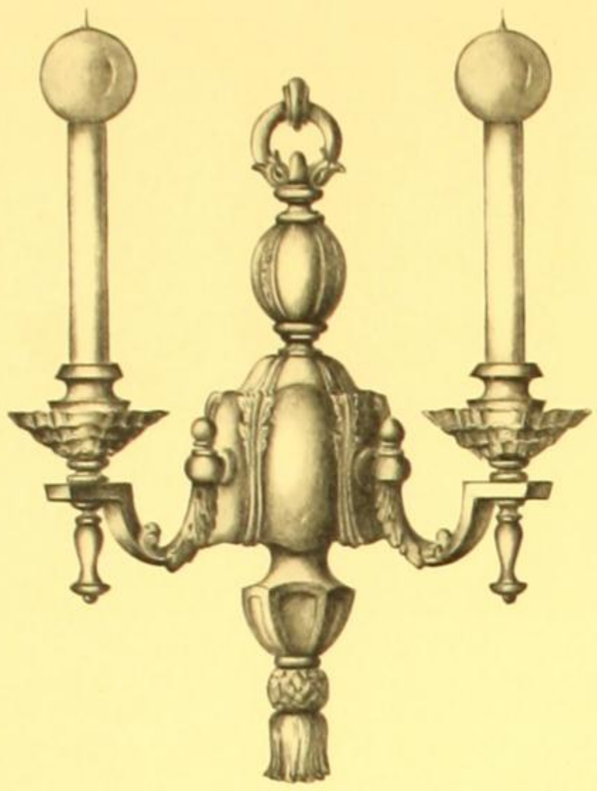
No. 13102
Scale, ½ full size
Spread, 16 inches
Length, 20 inches



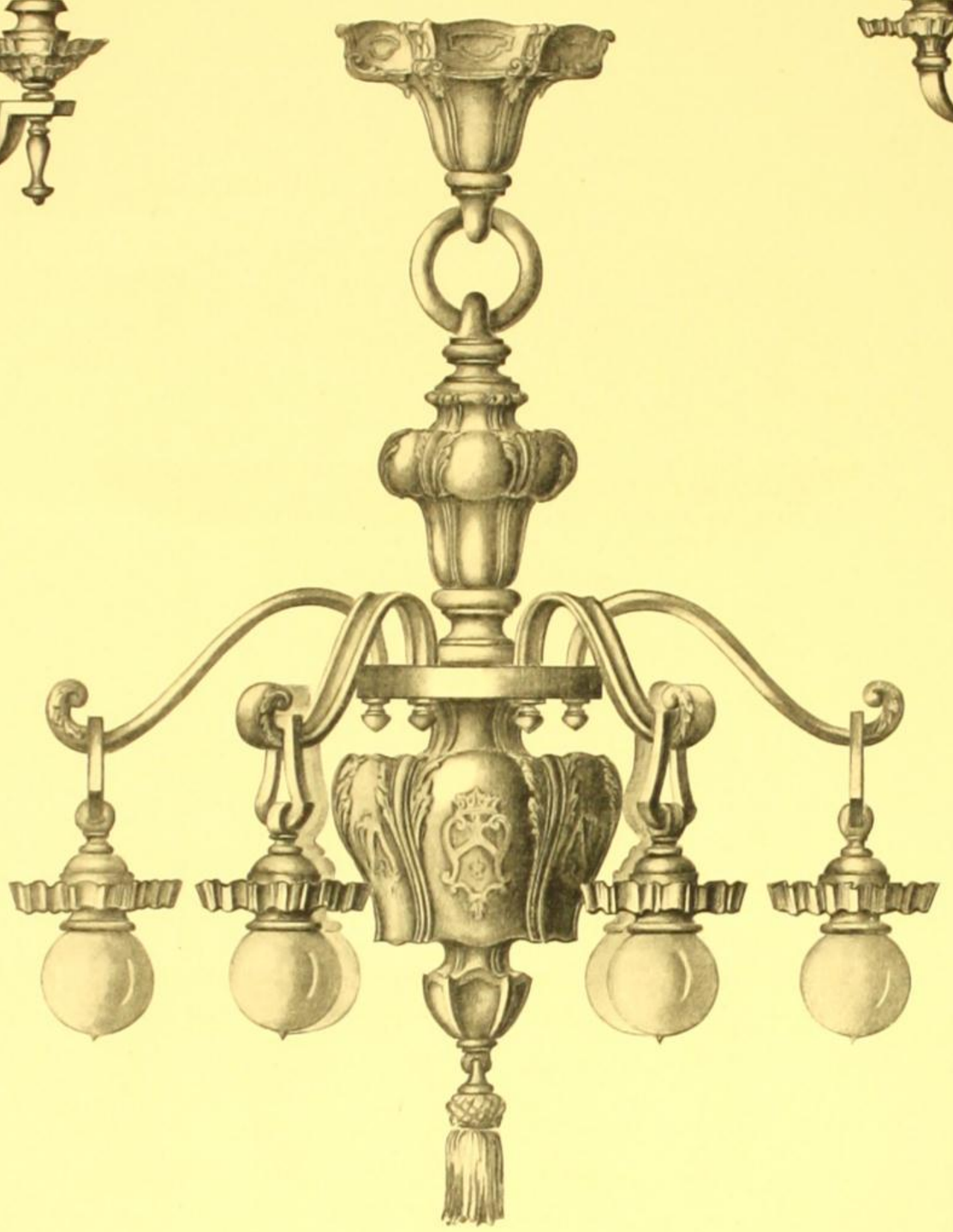
No. 13103
Scale, ½ full size
Spread, 7½ inches
Length, 9 inches



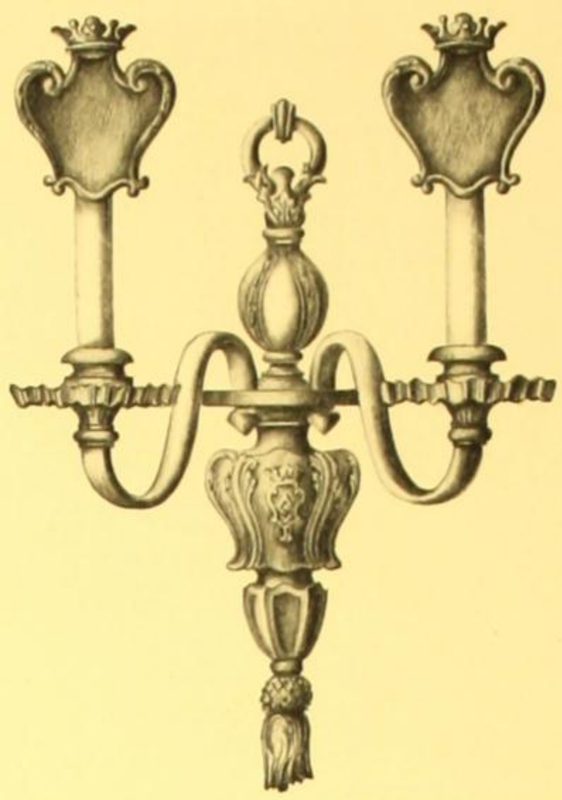
No. 13104
Scale, ½ full size
Spread, 12½ inches
Length, 10½ inches



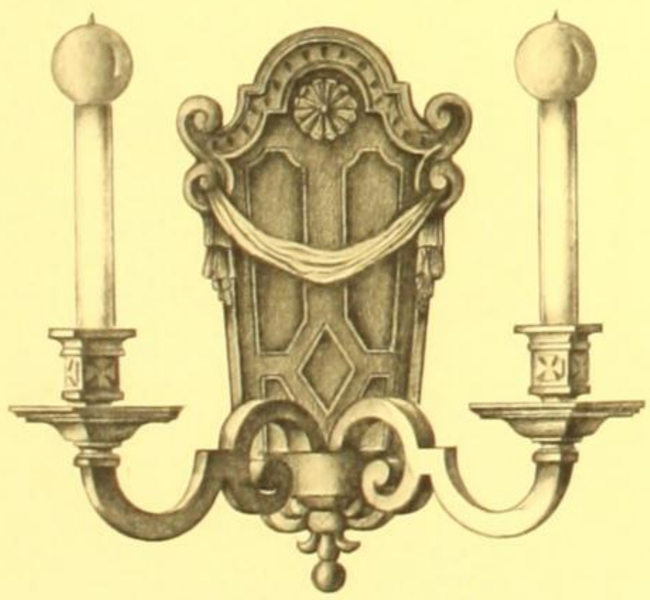
No. 15133
Scale, ⅕ full size
Spread, 10 inches



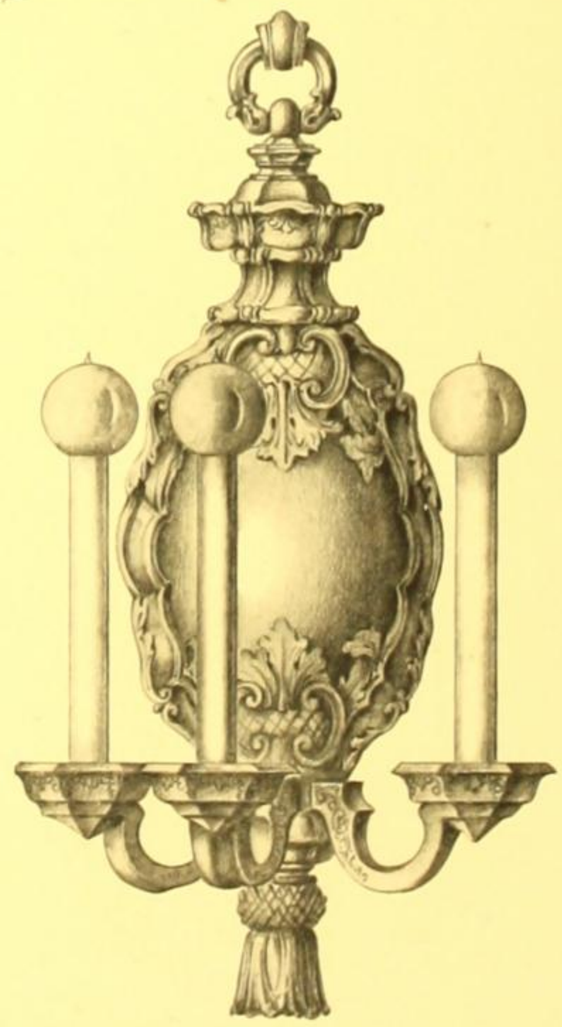
No. 13096
Scale, ⅕ full size
Spread, 21 inches
Length, 33 inches



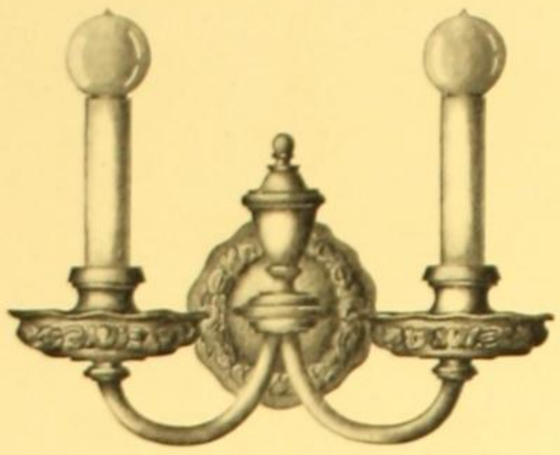
No. 15134
Scale, ⅕ full size
Spread, 9½ inches



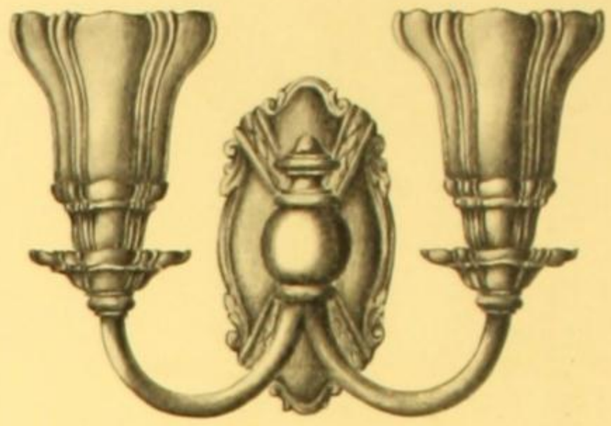
No. 15136
Scale, ⅕ full size
Spread, 11 inches



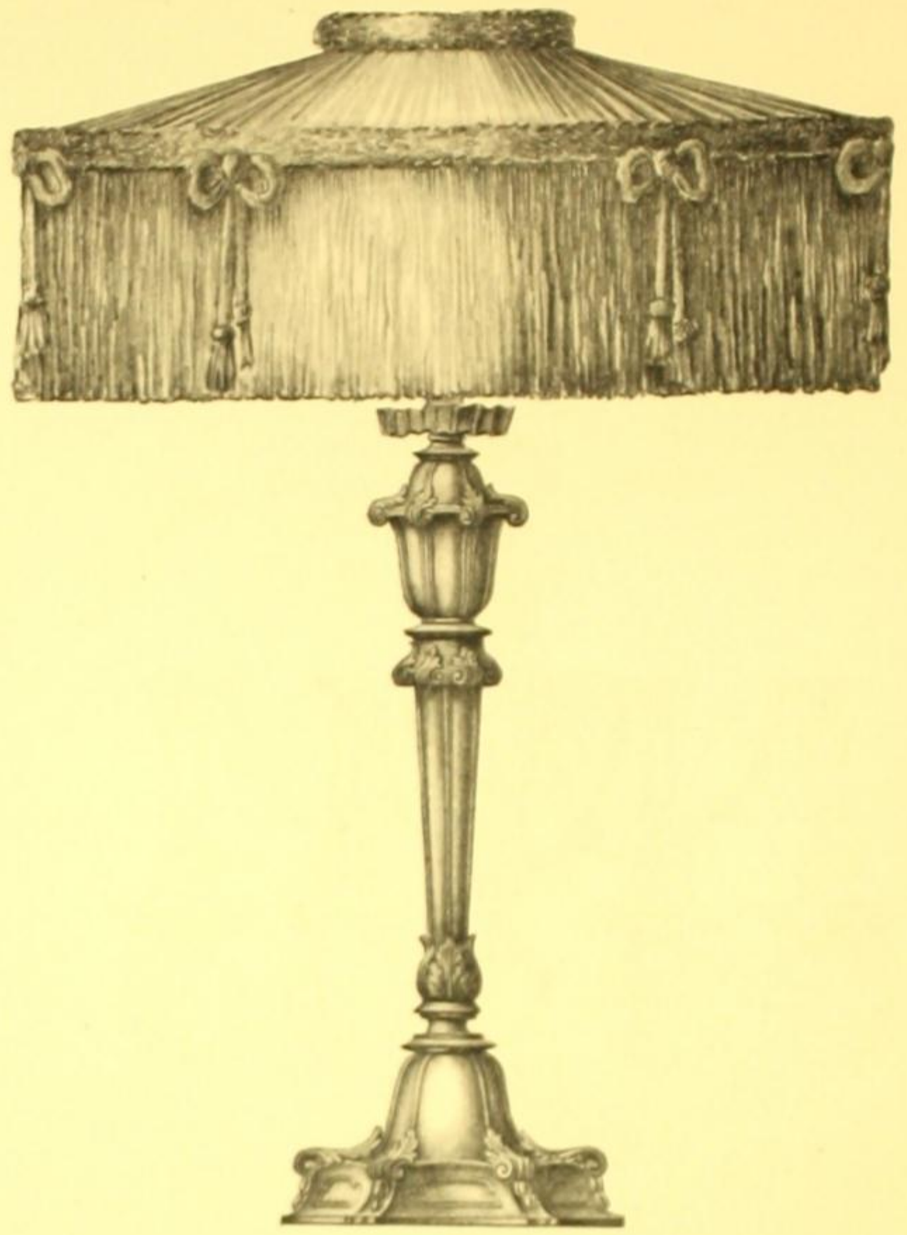
No. 15135
Scale, ⅕ full size
Spread, 9½ inches



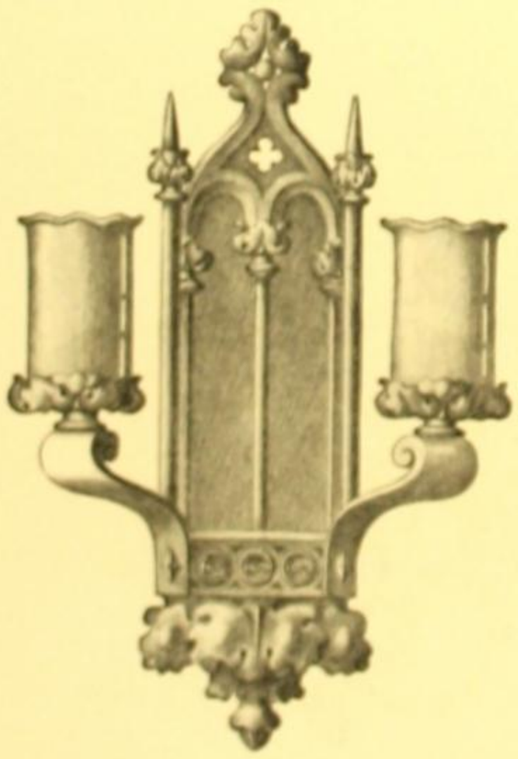
No. 15145
Scale, ⅕ full size
Spread, 8½ inches



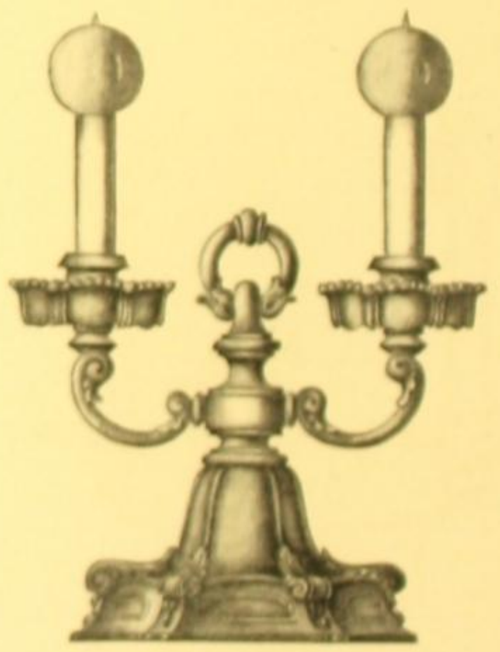
No. 15146
Scale, ⅕ full size
Spread, 9 inches



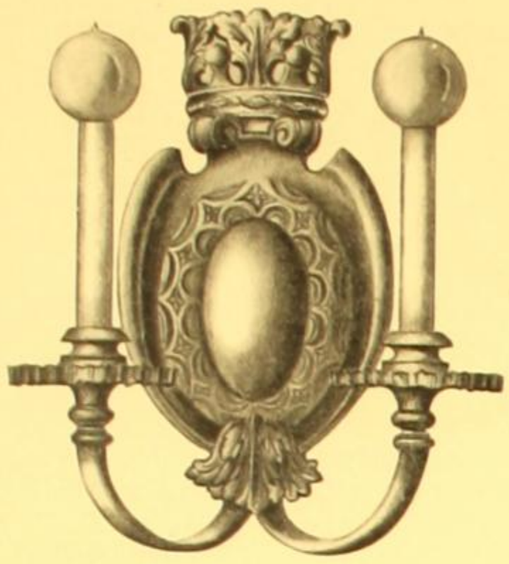
No. 19022
Scale, ⅕ full size
Shade spread, 20 inches
Height, 28½ inches



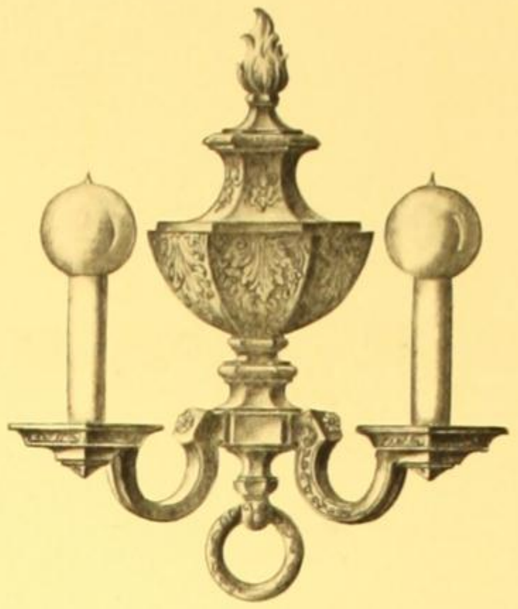
No. 15147
Scale, ⅕ full size
Spread, 9 inches



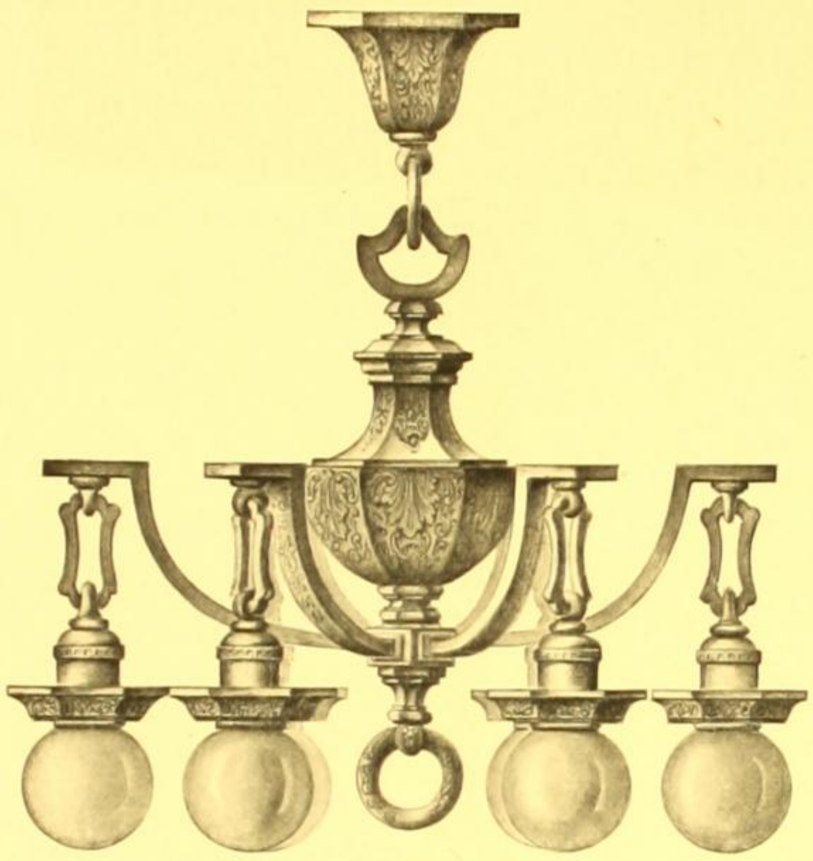
No. 19023
Scale, ⅕ full size
Spread, 7½ inches
Height, 15 inches



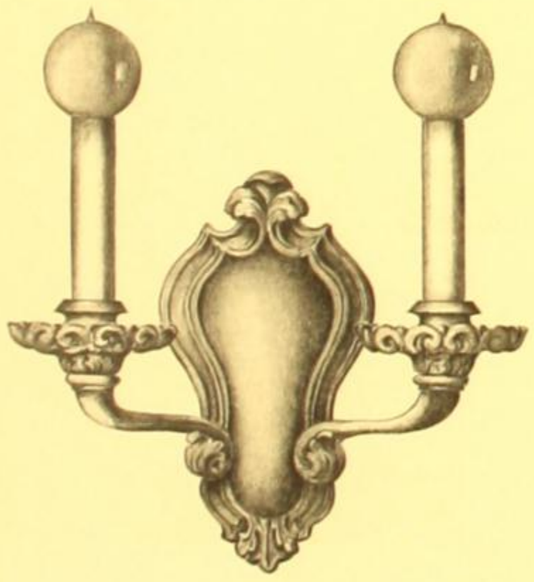
No. 15141
Scale, ⅕ full size
Spread, 8 inches



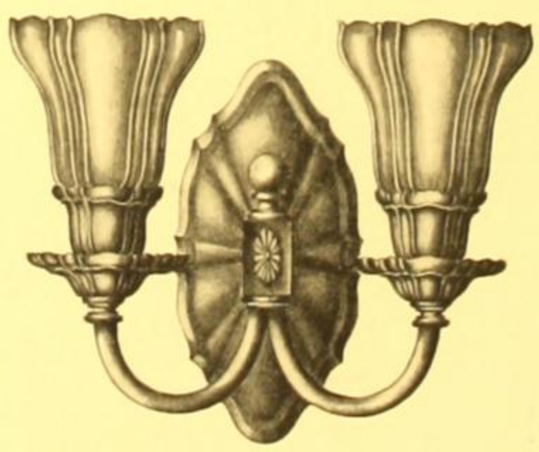
No. 15142
Scale, ⅕ full size
Spread, 8 inches



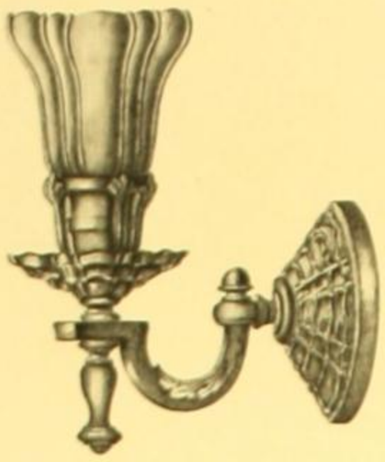
No. 13099
Scale, ⅕ full size
Spread, 15 inches
Length, 20 inches



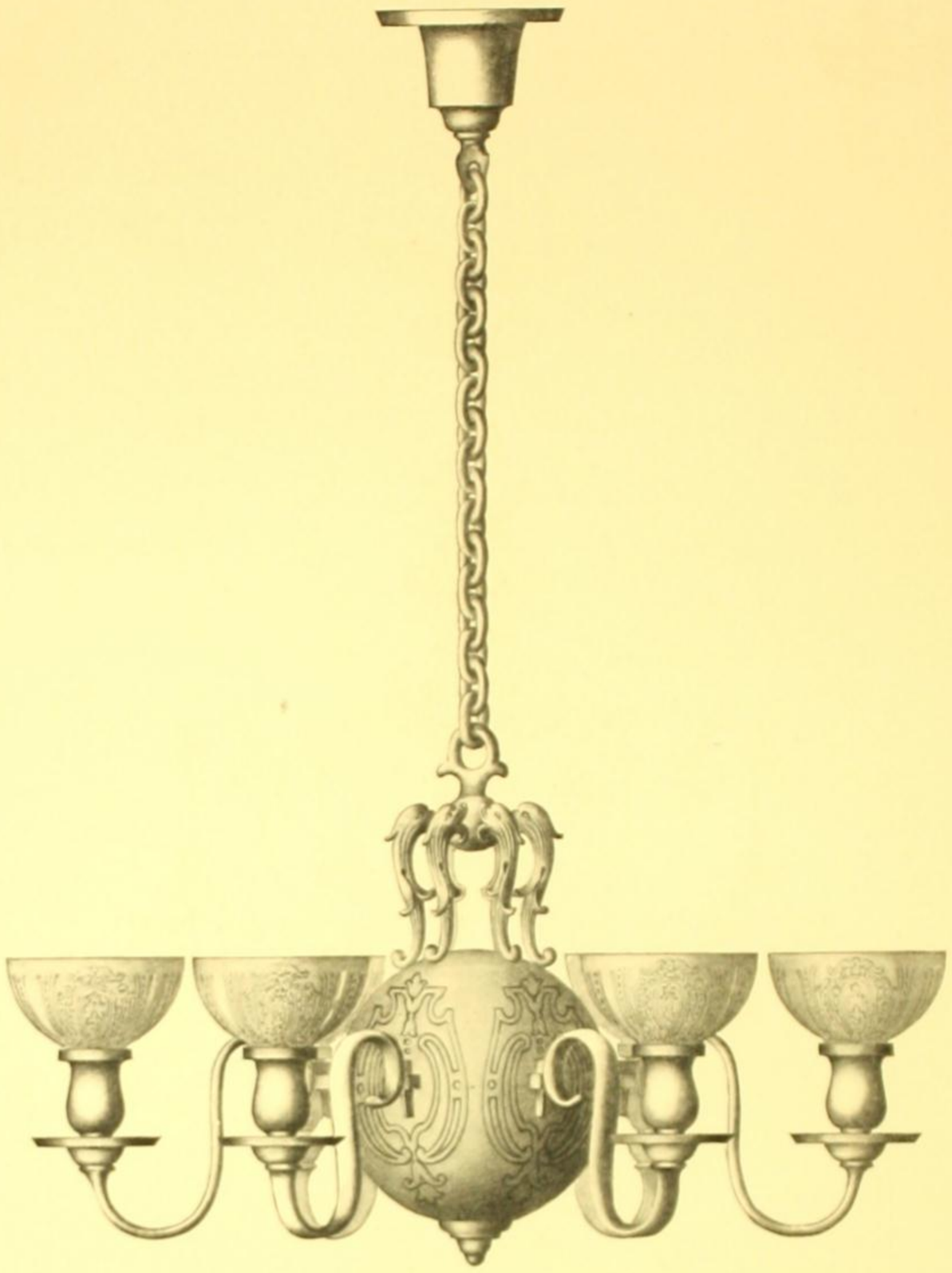
No. 15143
Scale, ⅕ full size
Spread, 8½ inches



No. 15144
Scale, ⅕ full size
Spread, 8 inches

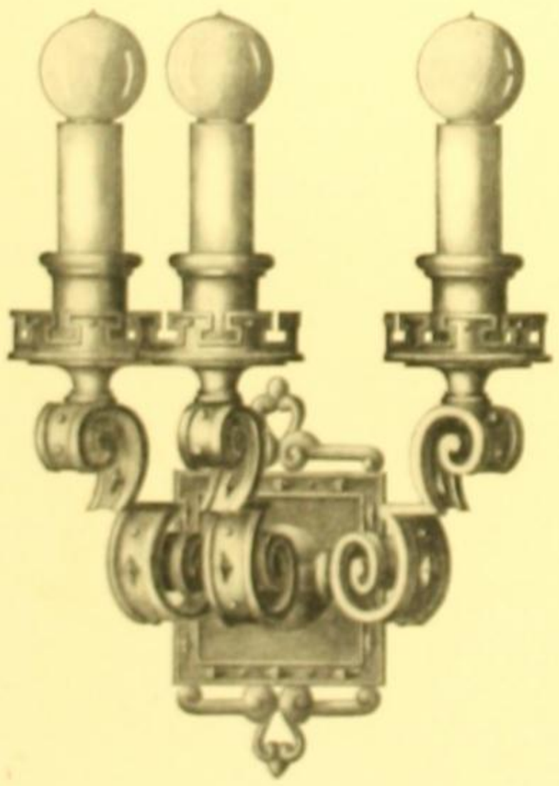


No. 15137
Scale, ½ full size
Extension, 6 inches



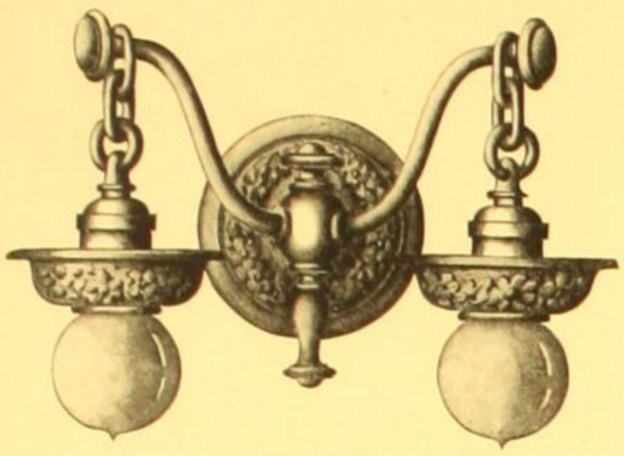
No. 10049
Scale, ⅓ full size
Spread, 24 inches
Length, 36 inches

No. 19021
Scale, ½ full size
Height, 13 inches

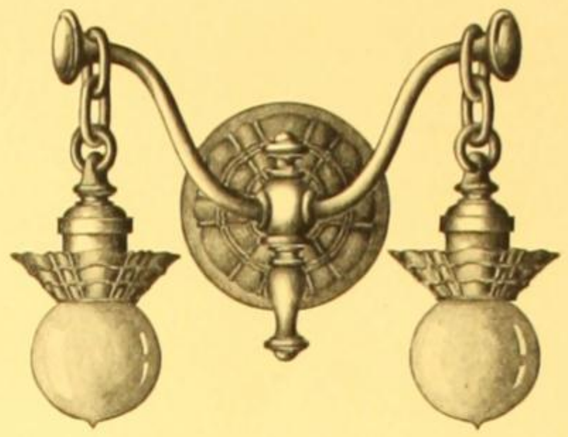


No. 15138
Scale, ½ full size
Spread, 9½ inches

No. 15054
Scale, ½ full size
Spread, 10 inches



No. 15148
Scale, ⅛ full size
Spread, 10 inches



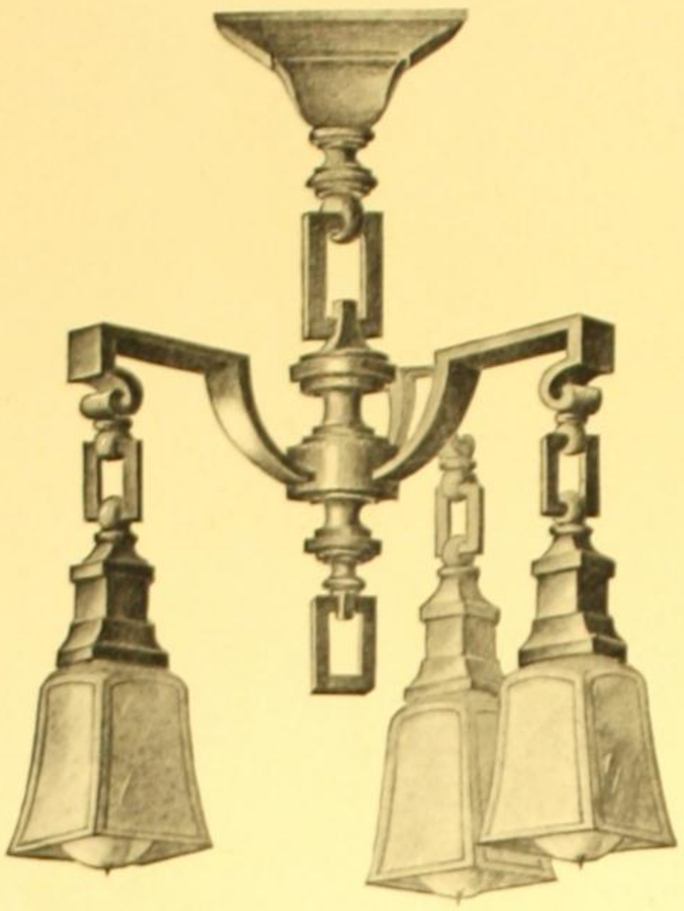
No. 15149
Scale, ⅛ full size
Spread, 9½ inches

No. 13105
Scale, ⅛ full size
Spread, 16½ inches
Length, 25 inches

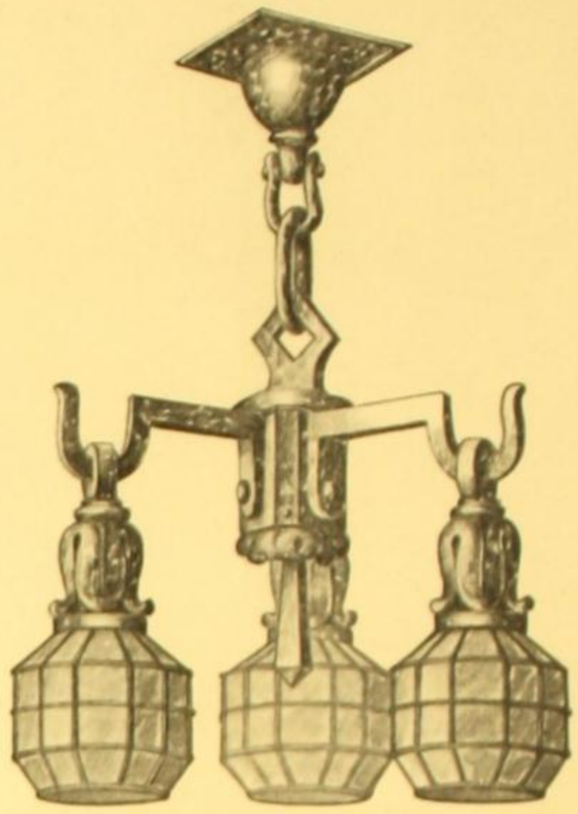
No. 15150
Scale, ⅛ full size
Extension, 6 inches

No. 15156
Scale, ⅛ full size
Extension, 7 inches

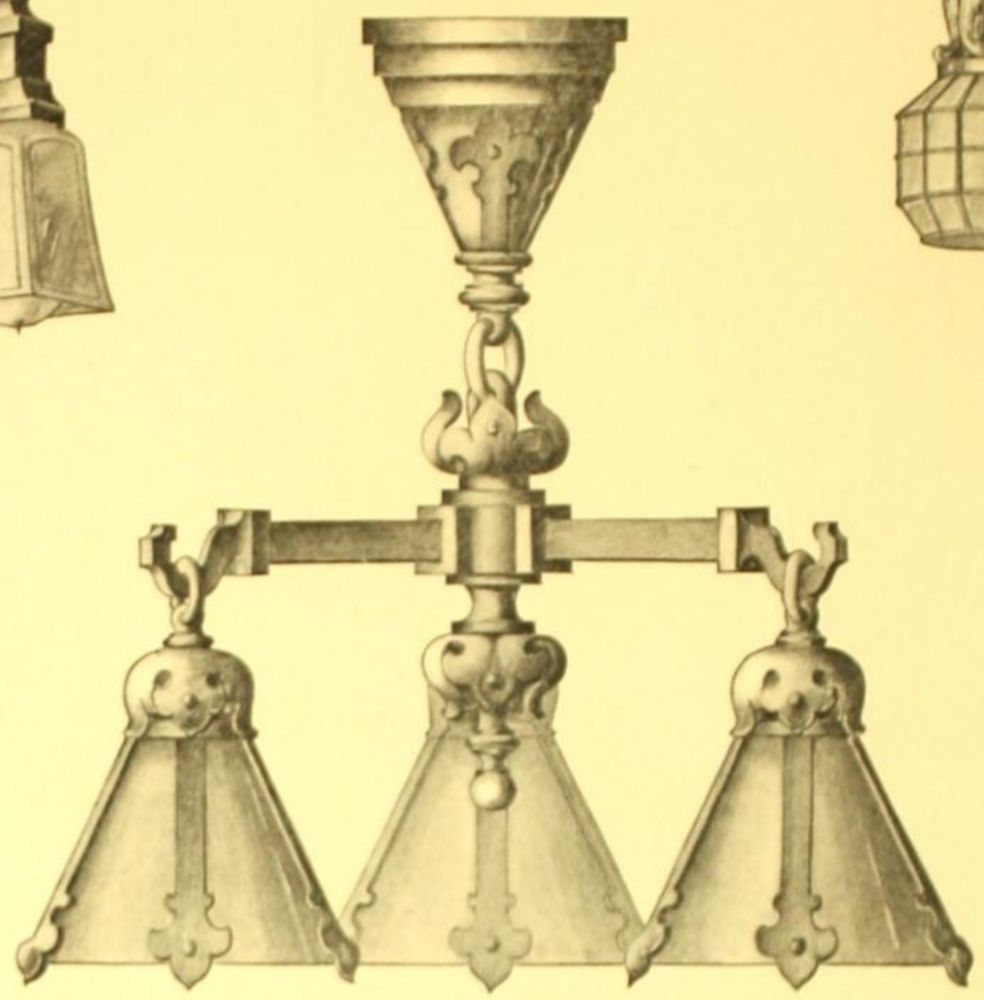
No. 15151
Scale, ⅛ full size
Extension, 5 inches



No. 13061
Scale, ½ full size
Spread, 11 inches
Length, 20 inches



No. 13097
Scale, ½ full size
Spread, 9½ inches
Length, 18½ inches

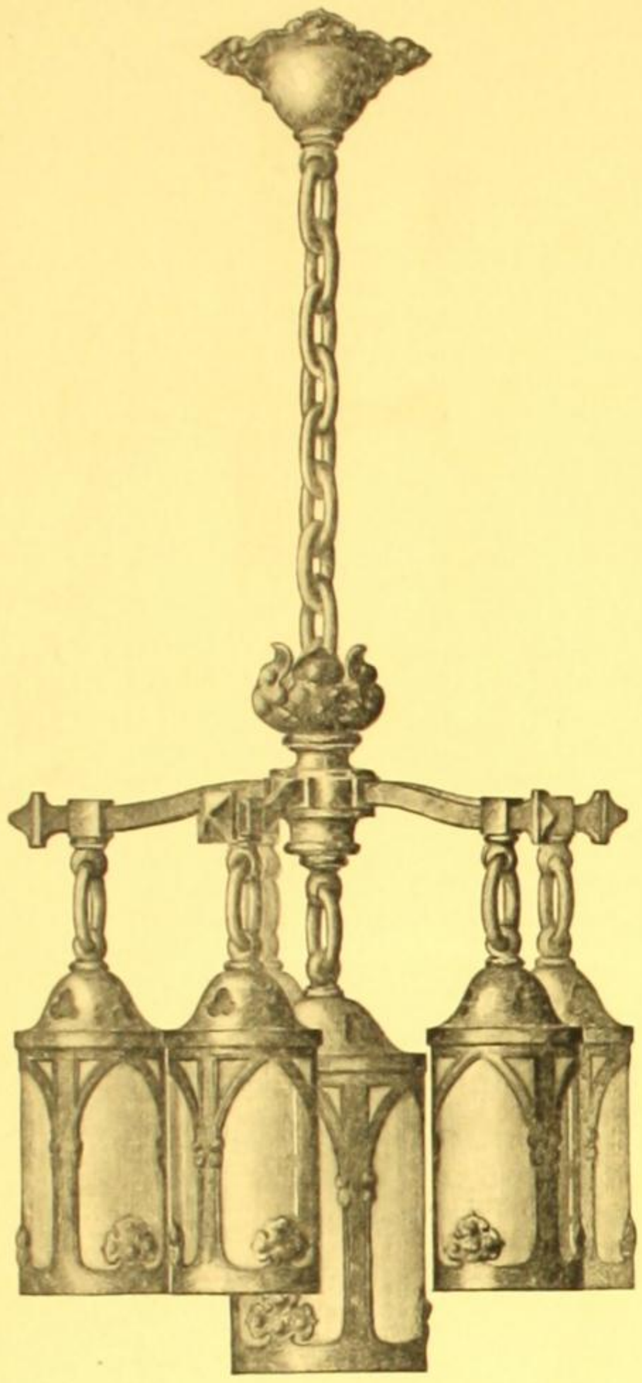


No. 13098
Scale, ½ full size
Spread, 15 inches
Length, 22½ inches

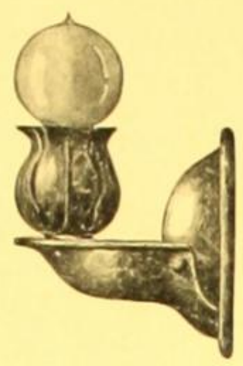
No. 15046
Scale, ½ full size
Spread, 9 inches

No. 15139
Scale, ½ full size
Length, 13½ inches

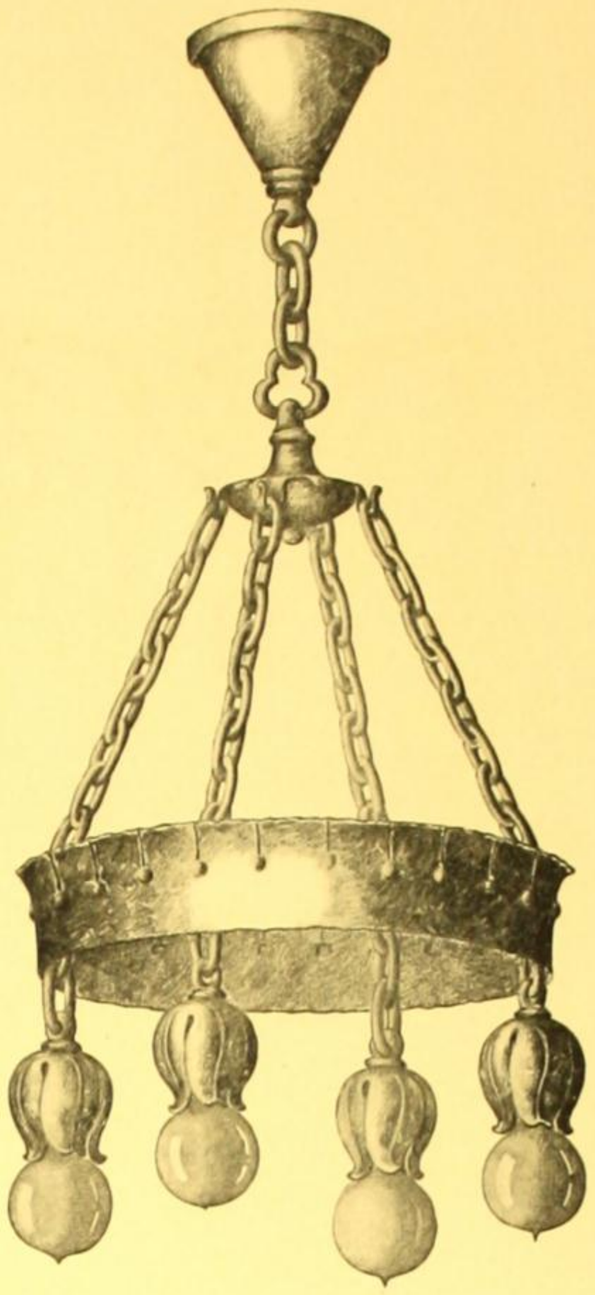
No. 15140
Scale, ½ full size
Length, 11 inches



No. 10035
Scale, ⅕ full size
Spread, 14 inches
Length, 31½ inches

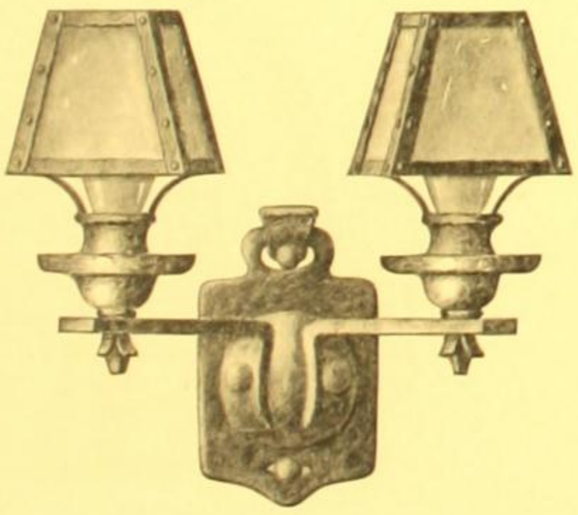


No. 15152
Scale, ⅕ full size
Extension, 4½ inches

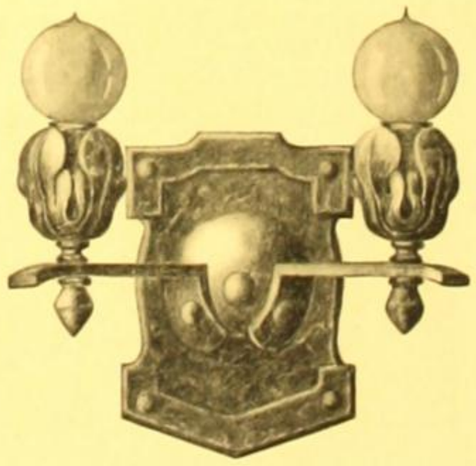


No. 13106
Scale, ⅕ full size
Spread, 11½ inches
Length, 30 inches

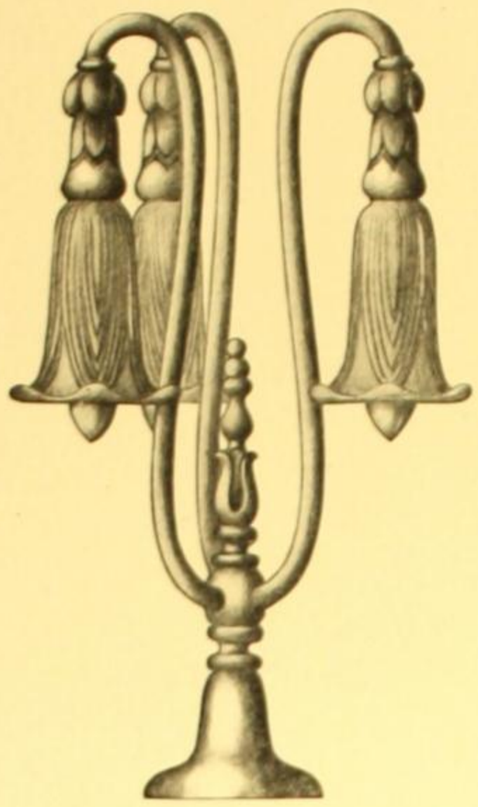
No. 15153
Scale, ⅕ full size
Extension, 5 inches



No. 15154
Scale, ⅕ full size
Spread, 8½ inches

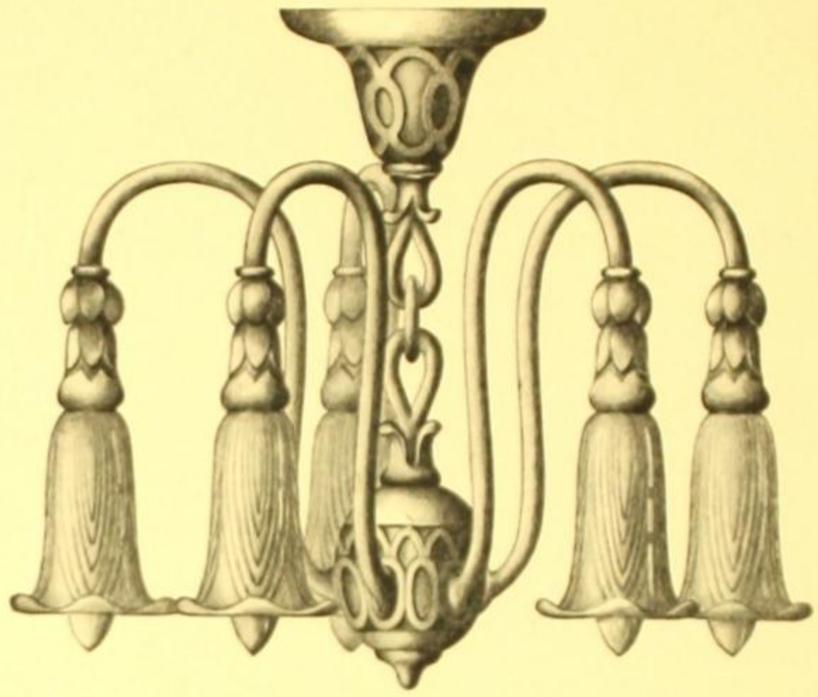


No. 15155
Scale, ⅕ full size
Spread, 8¼ inches

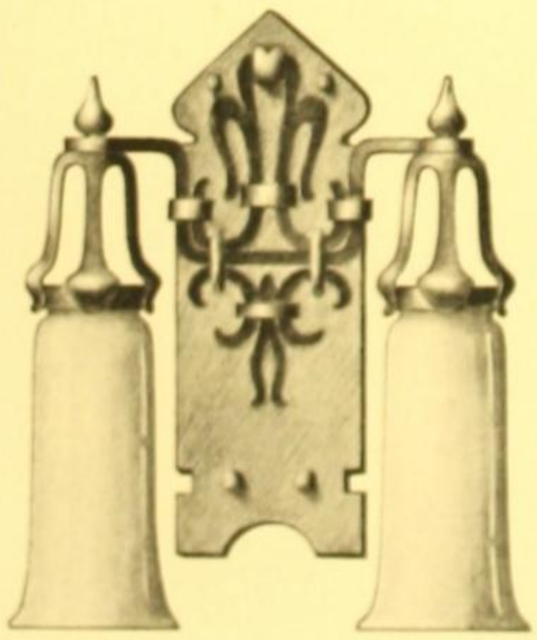


No. 19020
Scale, ½ full size
Spread, 7½ inches
Length, 18½ inches

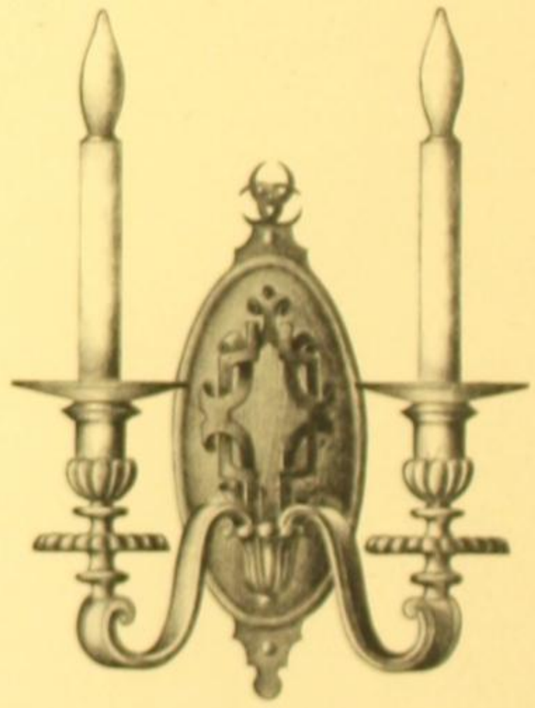
No. 15100
Scale, ½ full size
Spread, 8½ inches



No. 13095
Scale, ½ full size
Spread, 15½ inches
Length, 16 inches

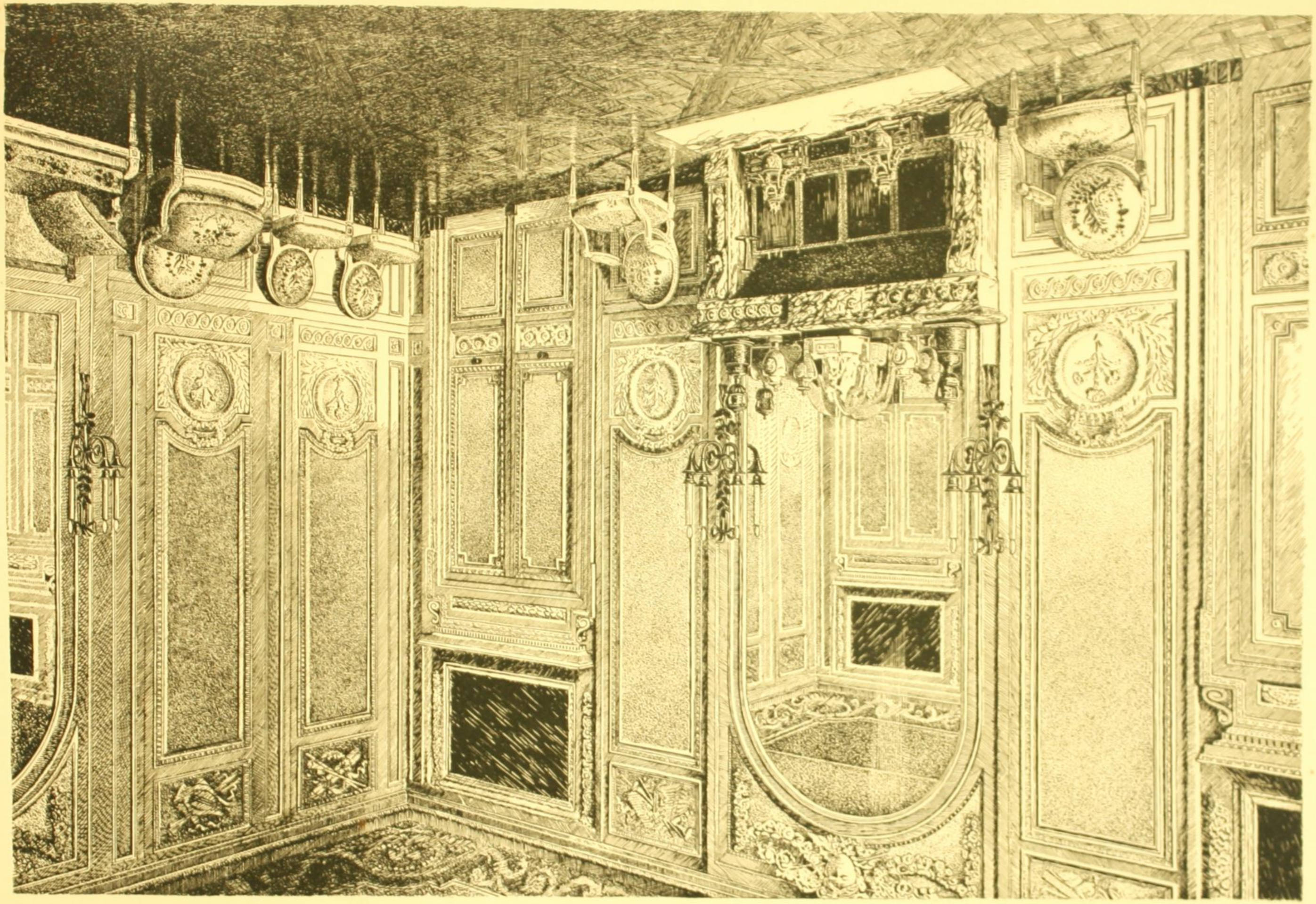


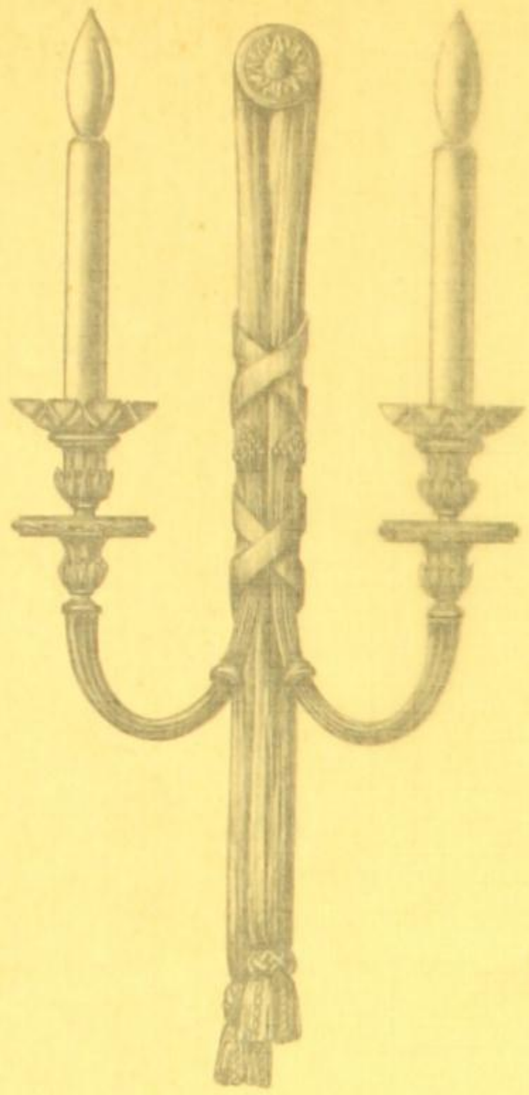
No. 15096
Scale, ½ full size
Spread, 8½ inches



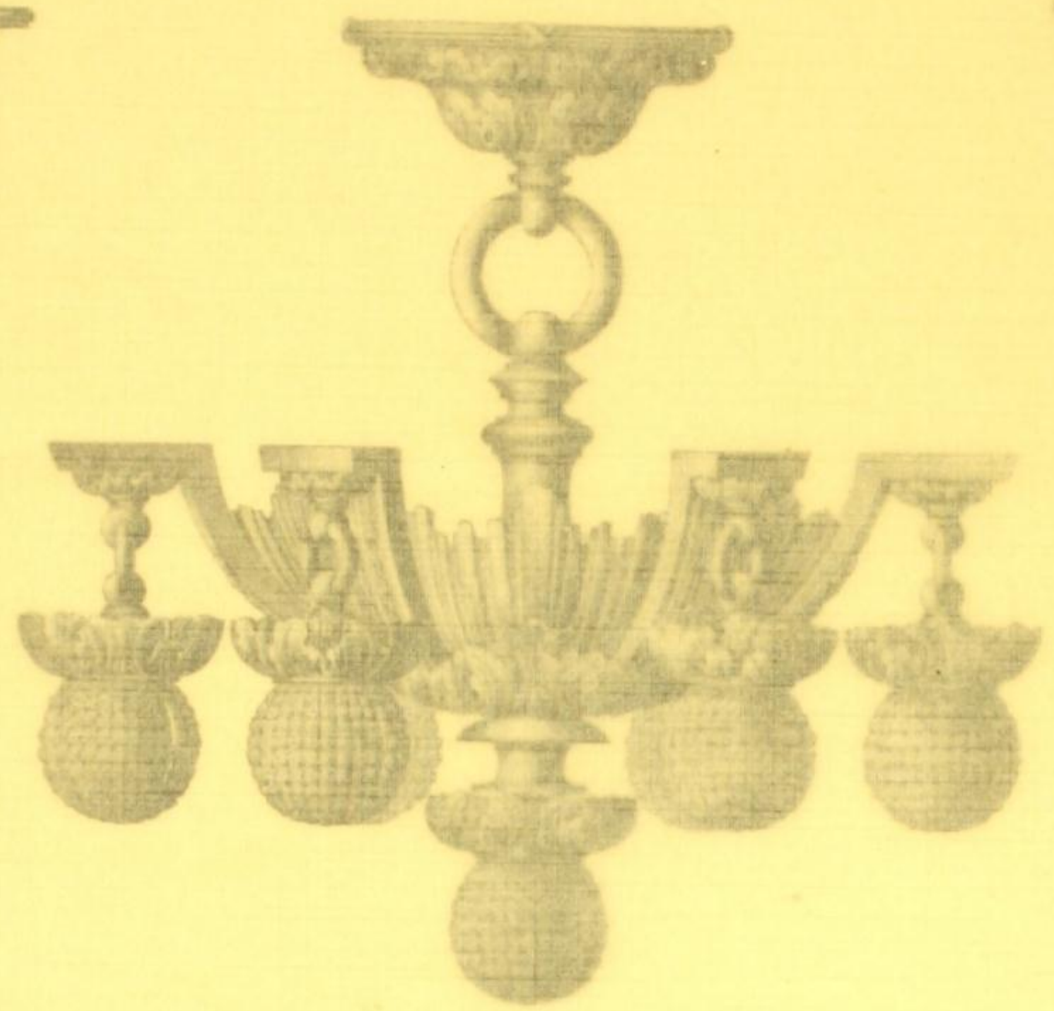
No. 15076
Scale, ½ full size
Spread, 8 inches

FRENCH SECTION

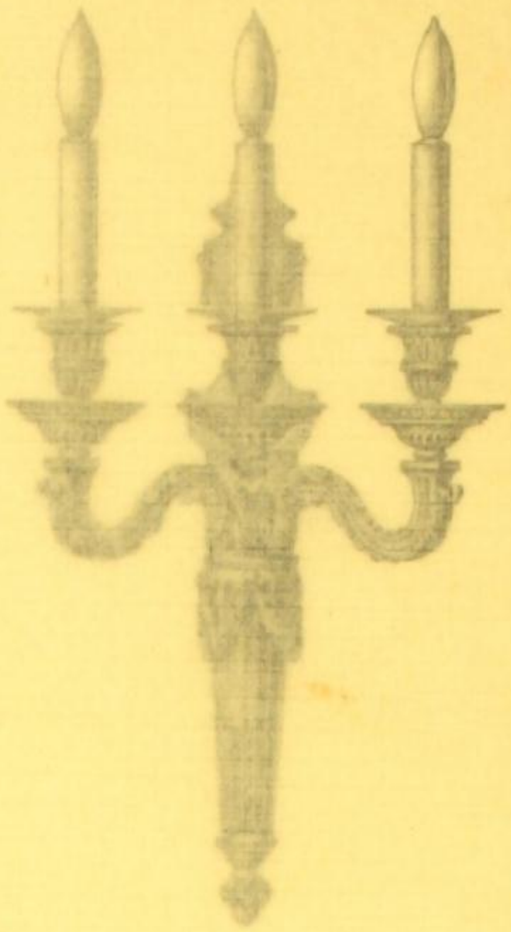




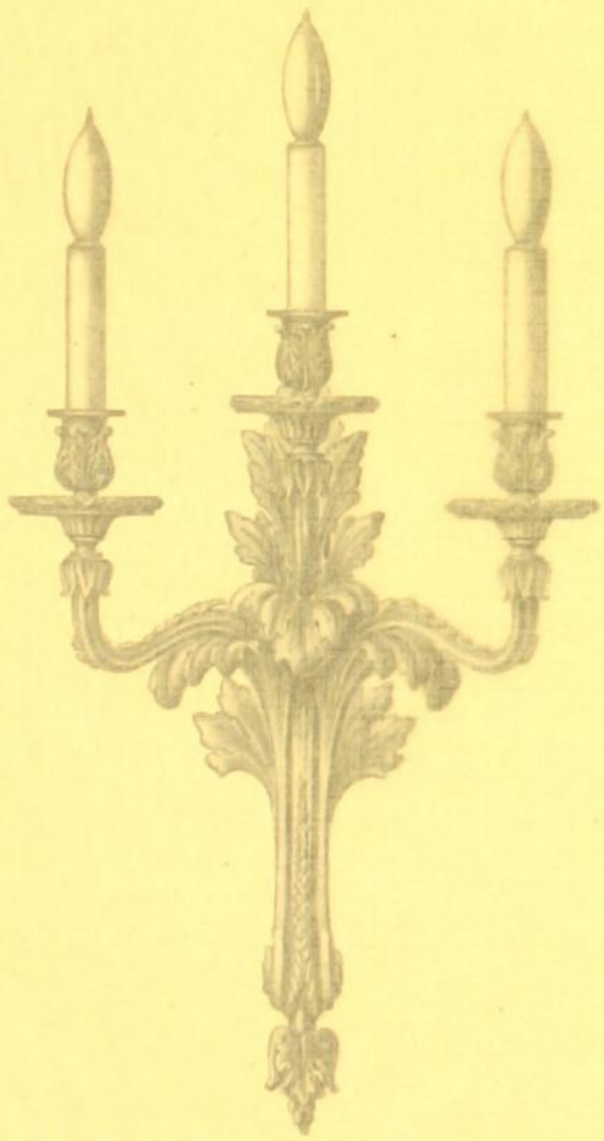
No. 15157
Scale, ⅛ full size
Spread, 9 inches



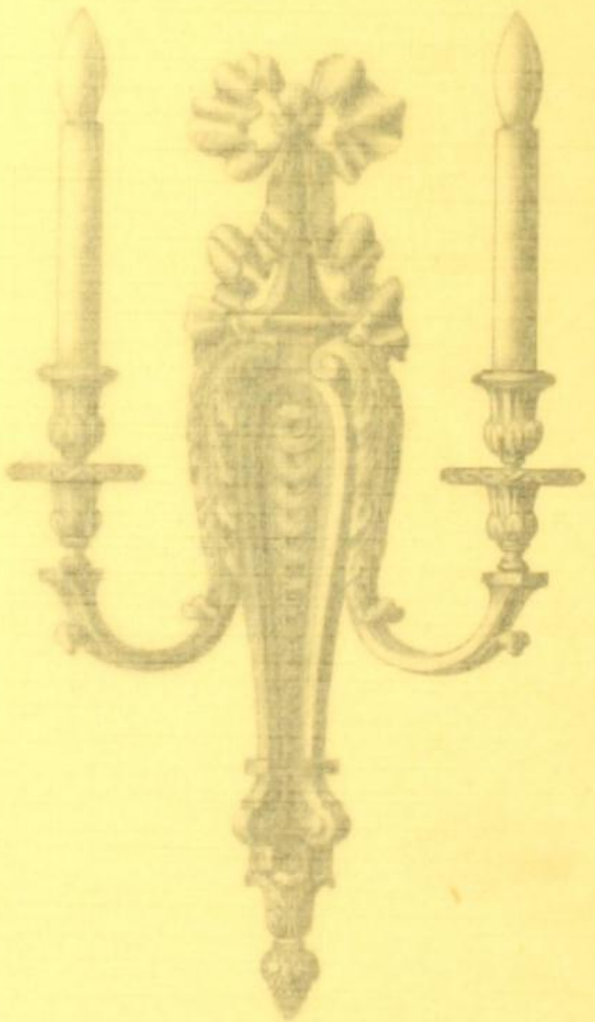
No. 15158
Scale, ⅛ full size
Spread, 20 inches
Length, 36 inches



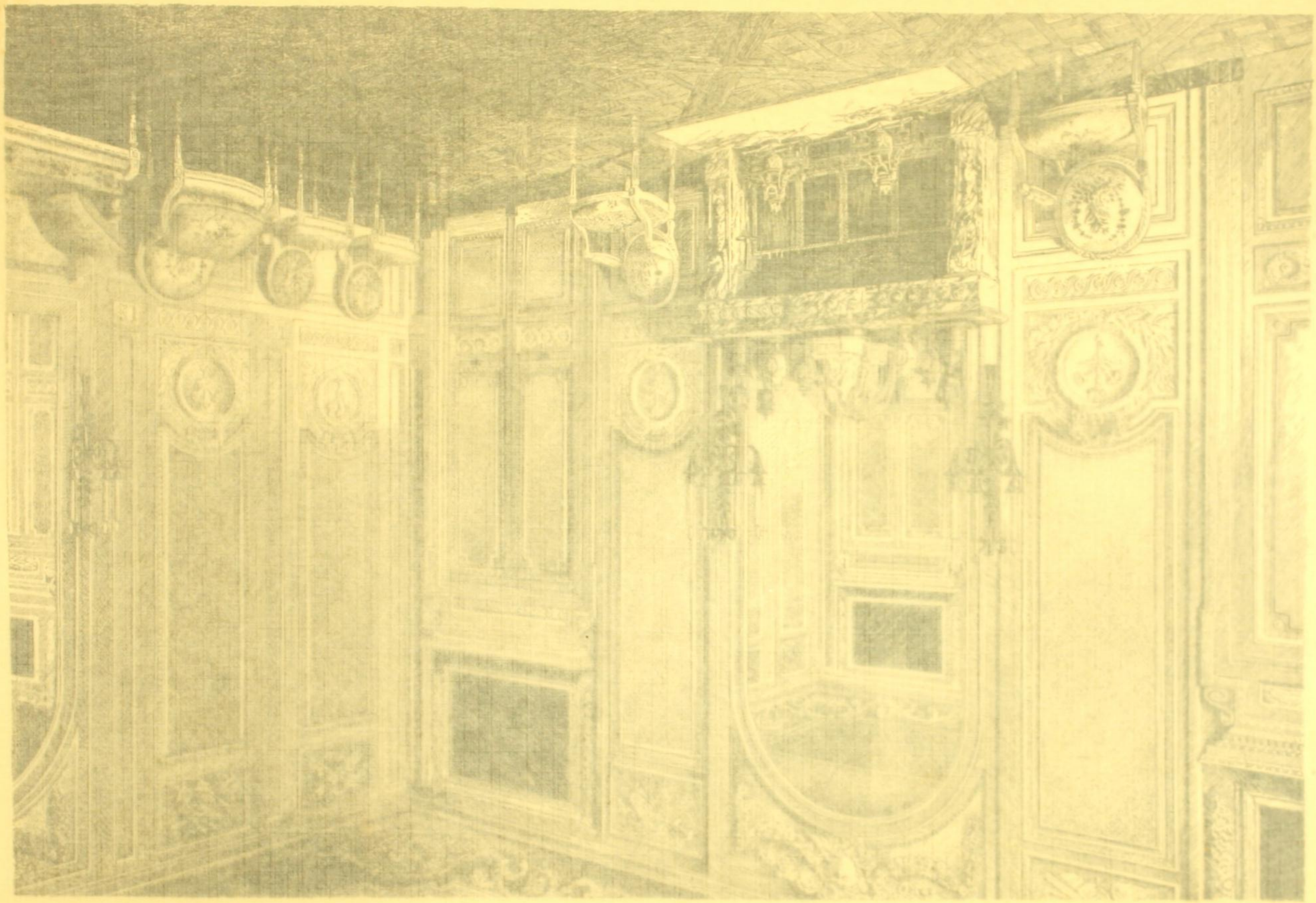
No. 15156
Scale, ¼ full size
Spread, 8½ inches

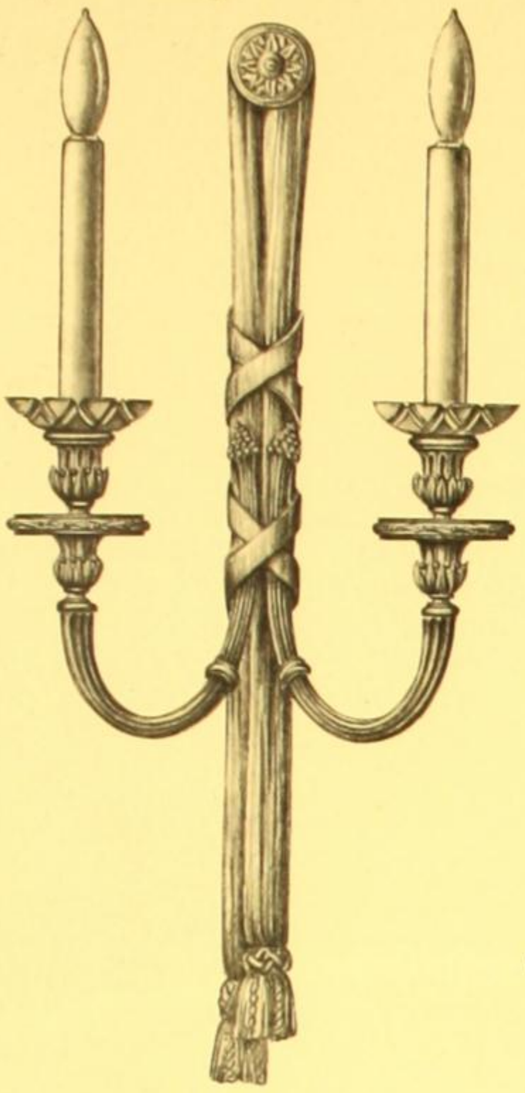


No. 15159
Scale, ⅛ full size
Spread, 10 inches

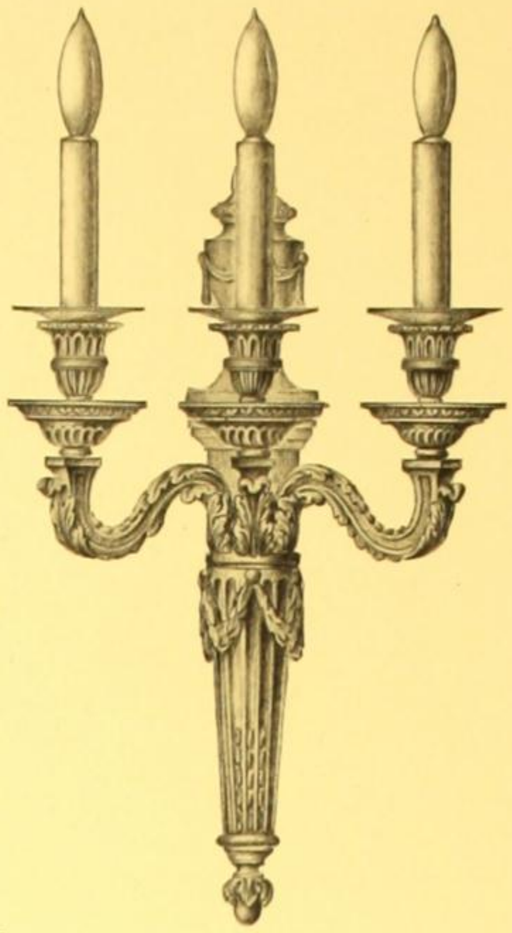


No. 15160
Scale, ⅛ full size
Spread, 10½ inches

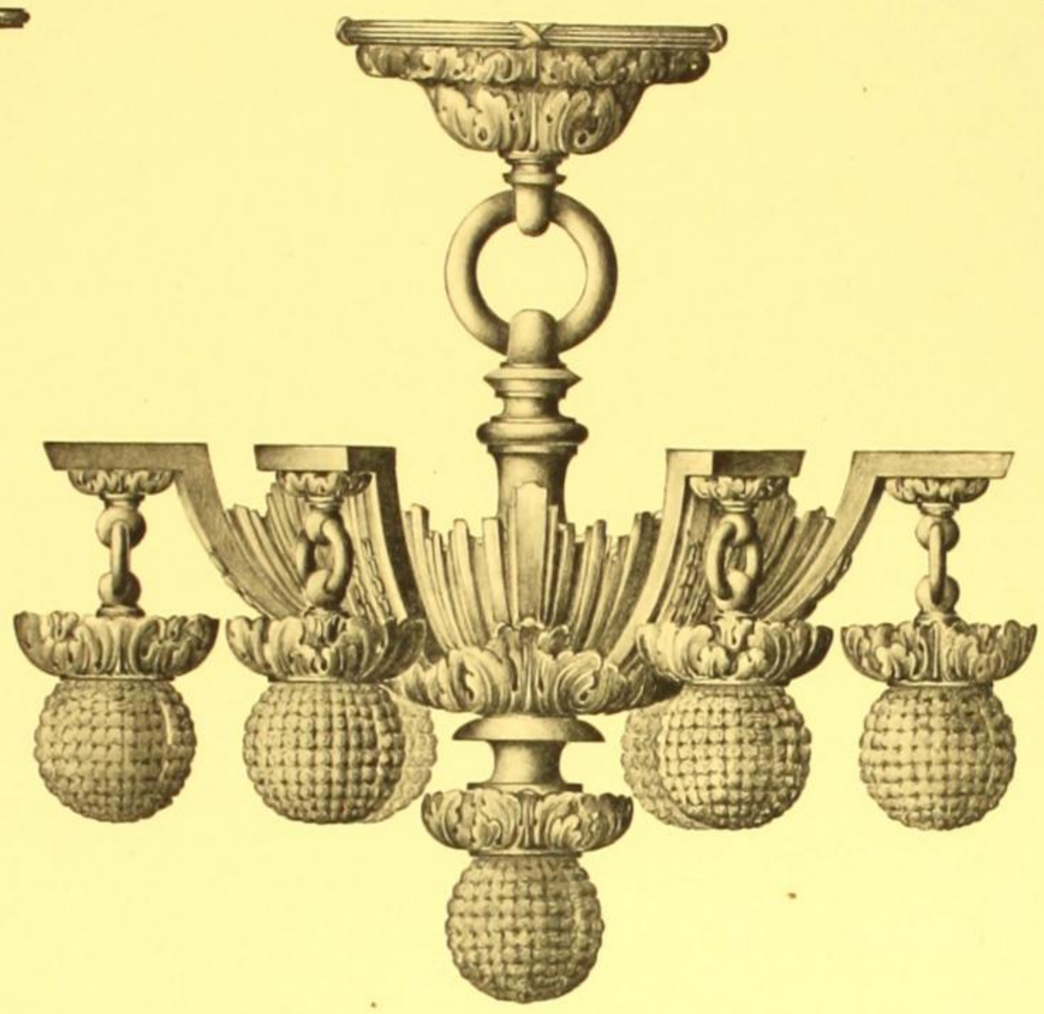




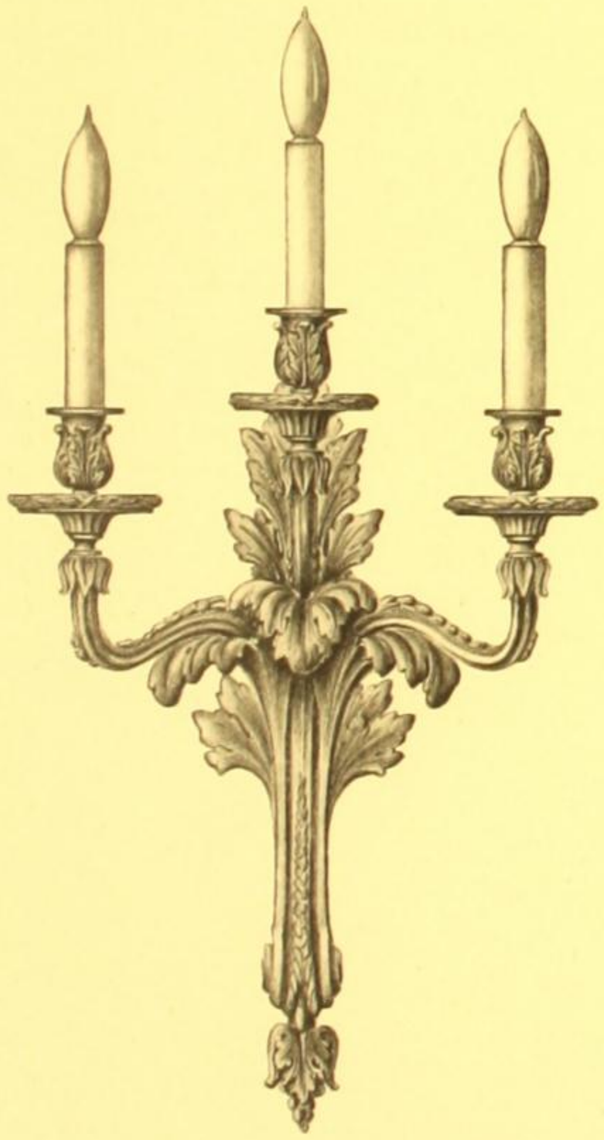
No. 15157
Scale, ⅕ full size
Spread, 9 inches



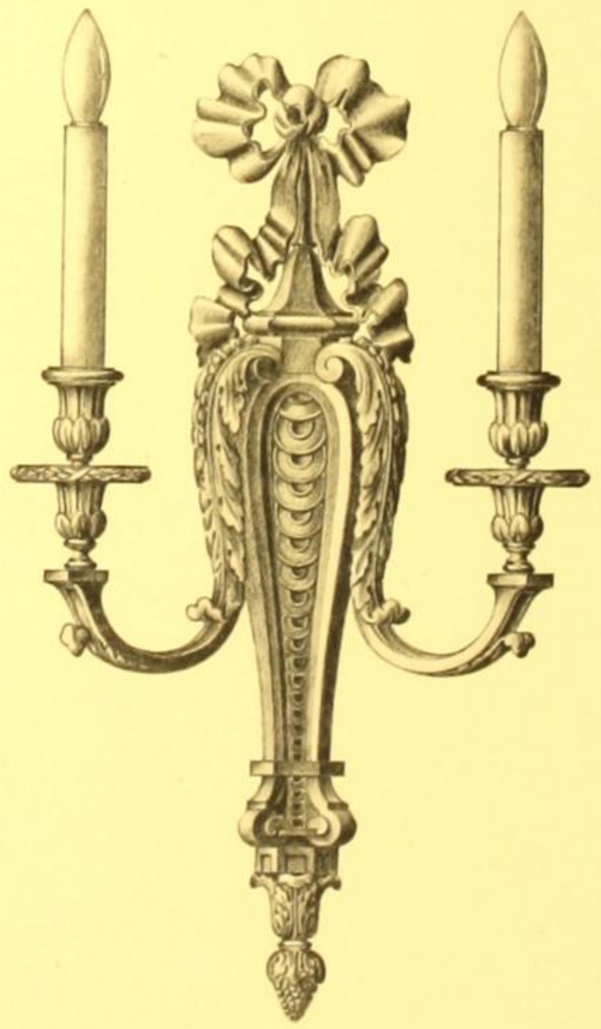
No. 15158
Scale, ⅕ full size
Spread, 8½ inches



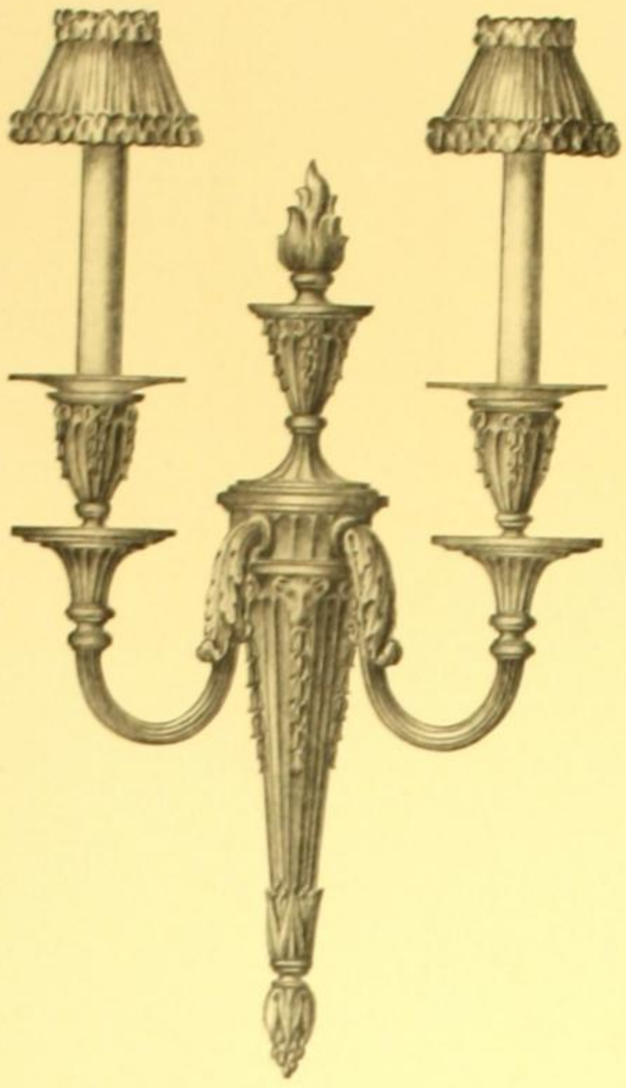
No. 13107
Scale, ⅕ full size
Spread, 20 inches
Length, 28 inches



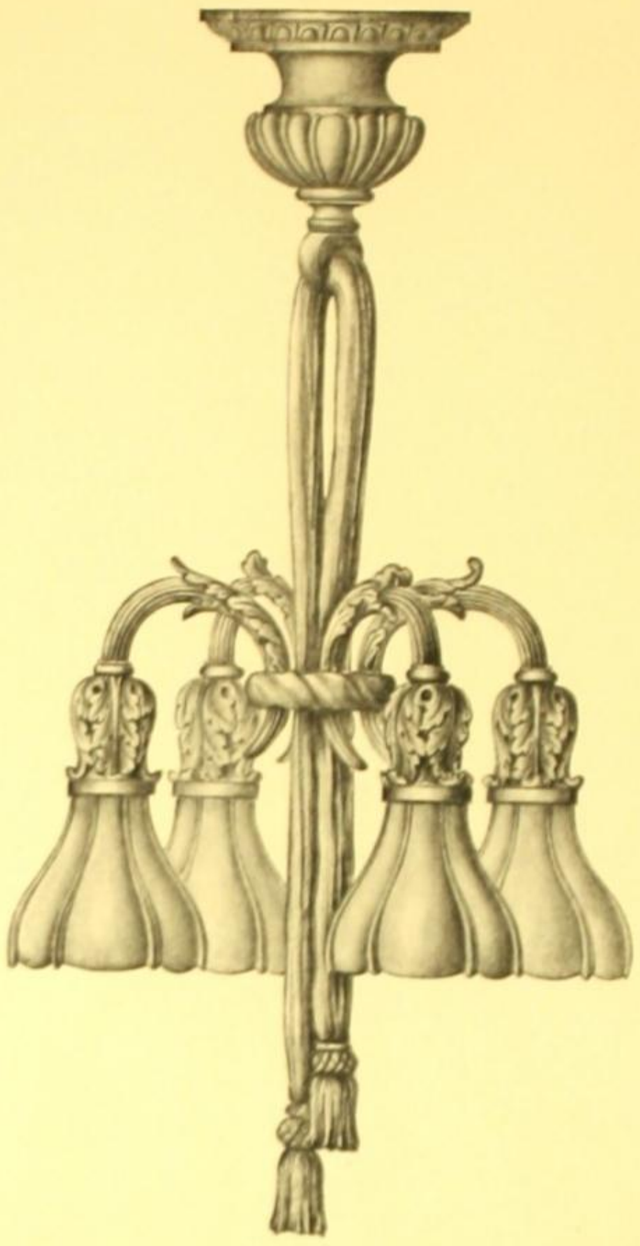
No. 15159
Scale, ⅕ full size
Spread, 10 inches



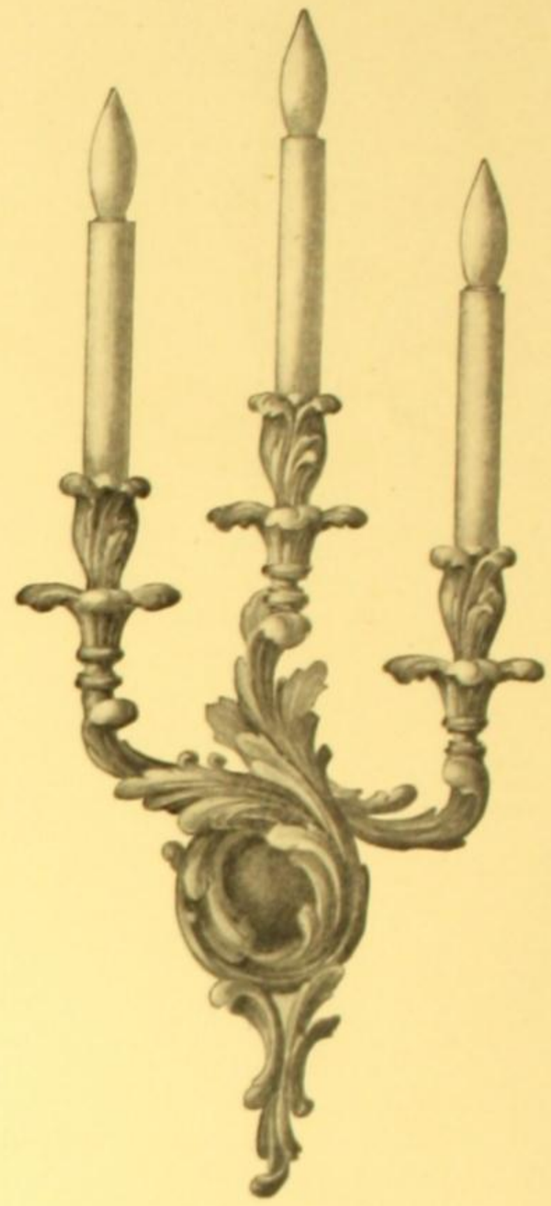
No. 15160
Scale, ⅕ full size
Spread, 10½ inches



No. 15161
Scale, ⅕ full size
Spread, 10 inches

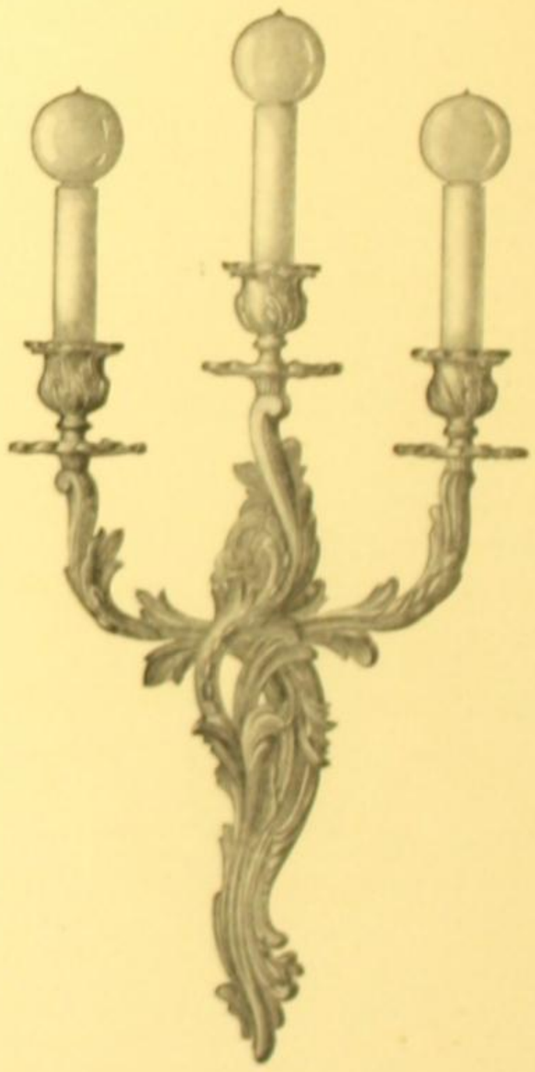


No. 13108
Scale, ⅕ full size
Spread, 10 inches
Length, 29 inches

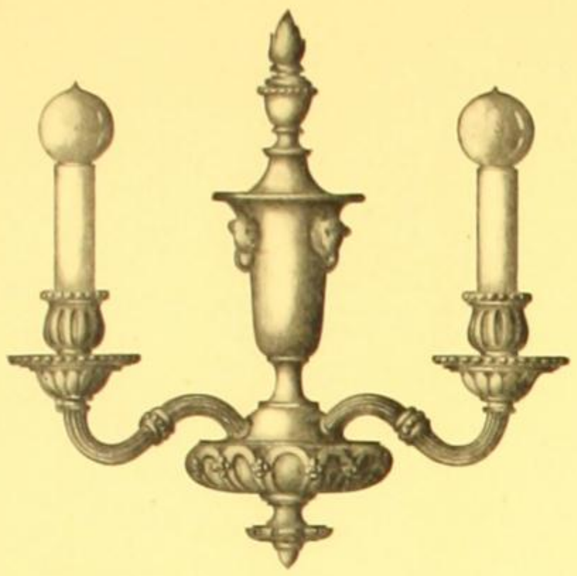


No. 15162
Scale, ⅕ full size
Spread, 9 inches

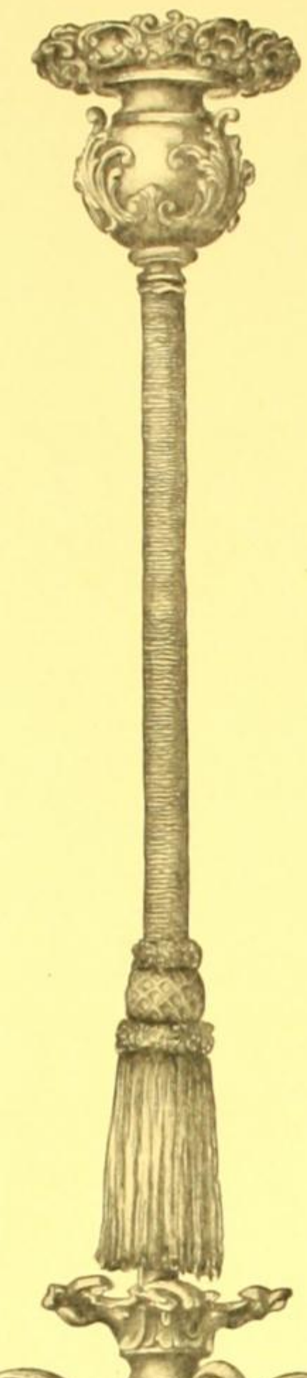
No. 15163
Scale, ⅕ full size
Spread, 9½ inches



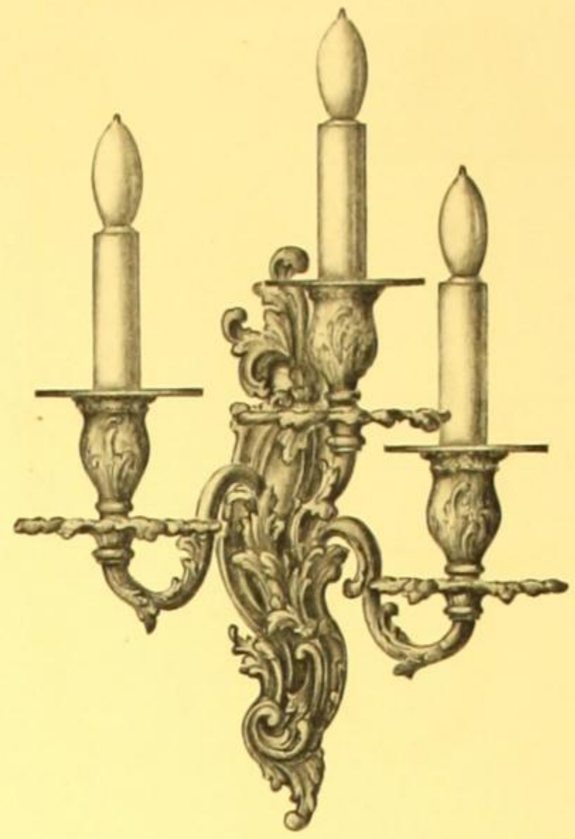
No. 15164
Scale, ⅕ full size
Spread, 9½ inches



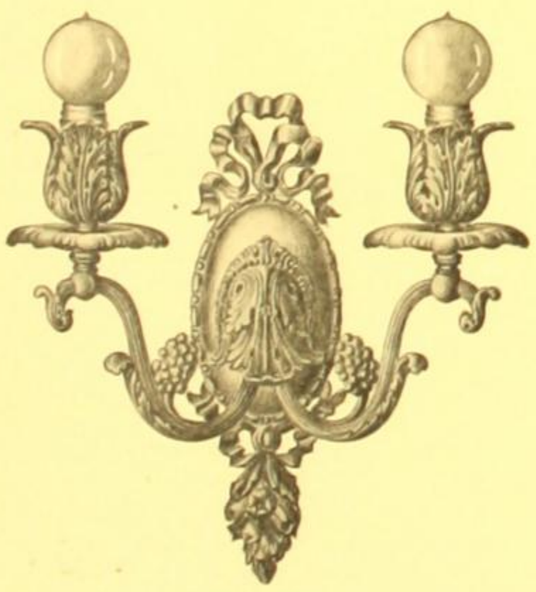
No. 15165
Scale, ⅕ full size
Spread, 10 inches



No. 10050
Scale, ⅛ full size
Spread, 19 inches
Length, 69 inches

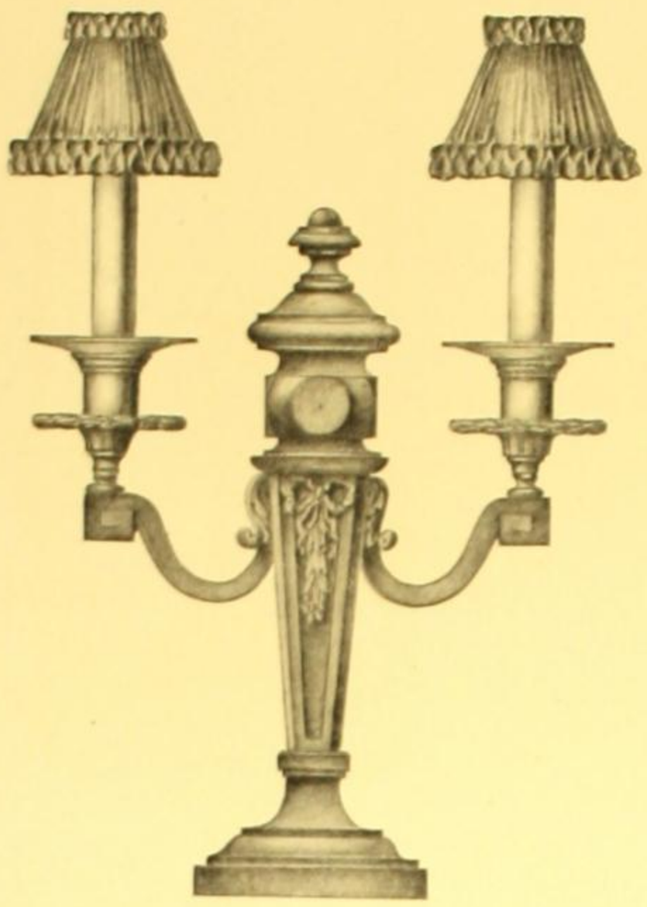


No. 15166
Scale, ⅕ full size
Spread, 8½ inches

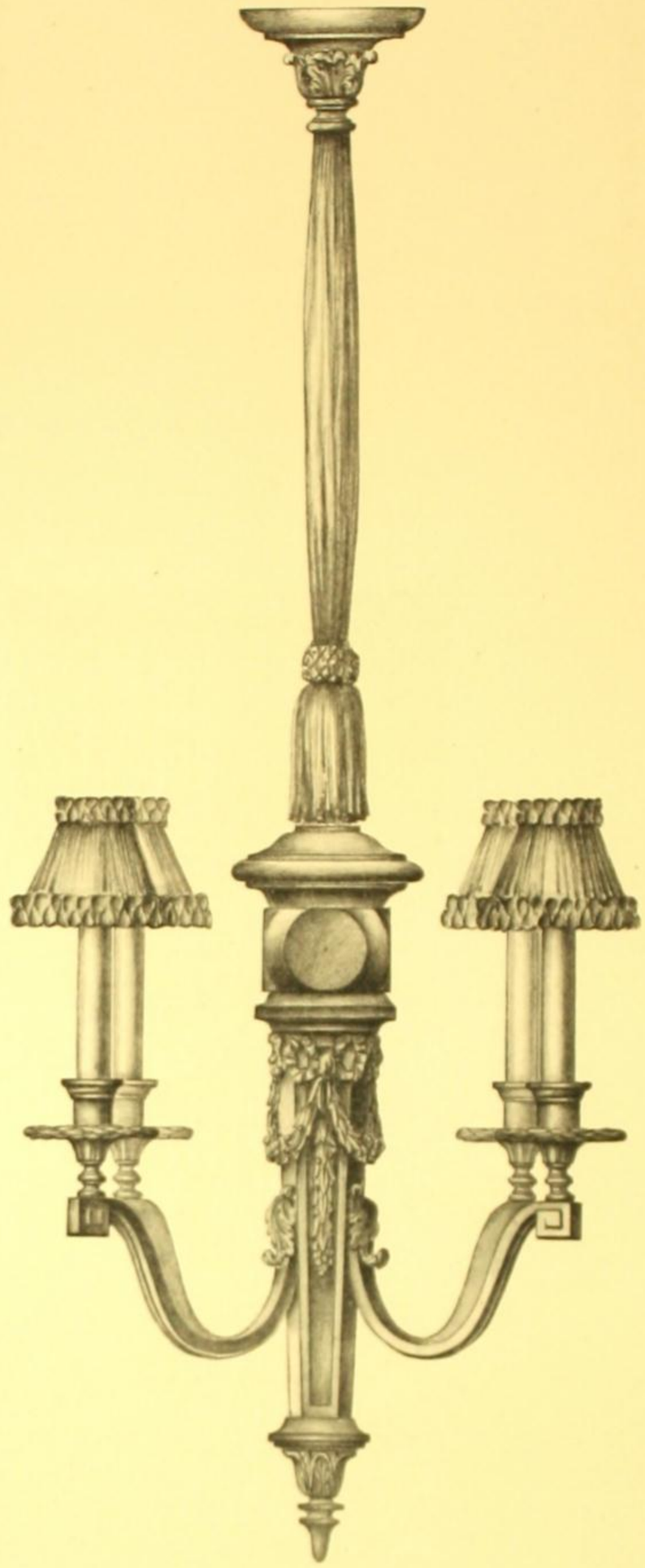


No. 15167
Scale, ⅕ full size
Spread, 8 inches

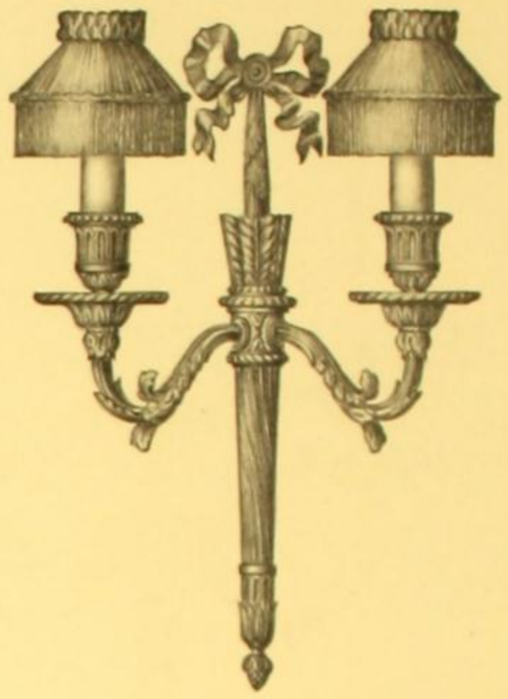
No. 15168
Scale, ⅕ full size
Spread, 7½ inches



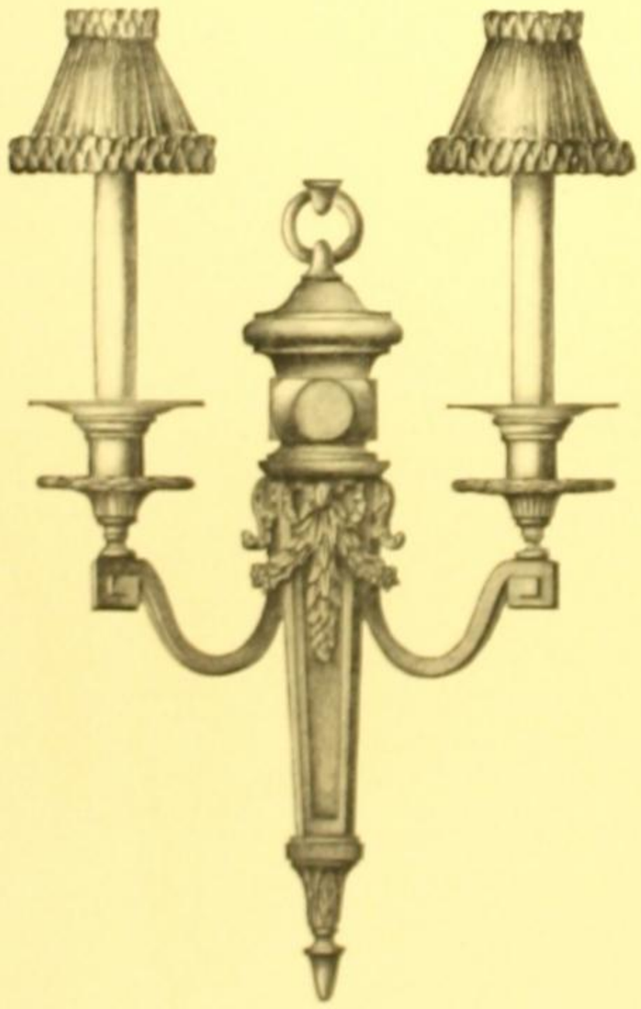
No. 19024
Scale, ⅓ full size
Spread, 10 inches
Height, 20 inches



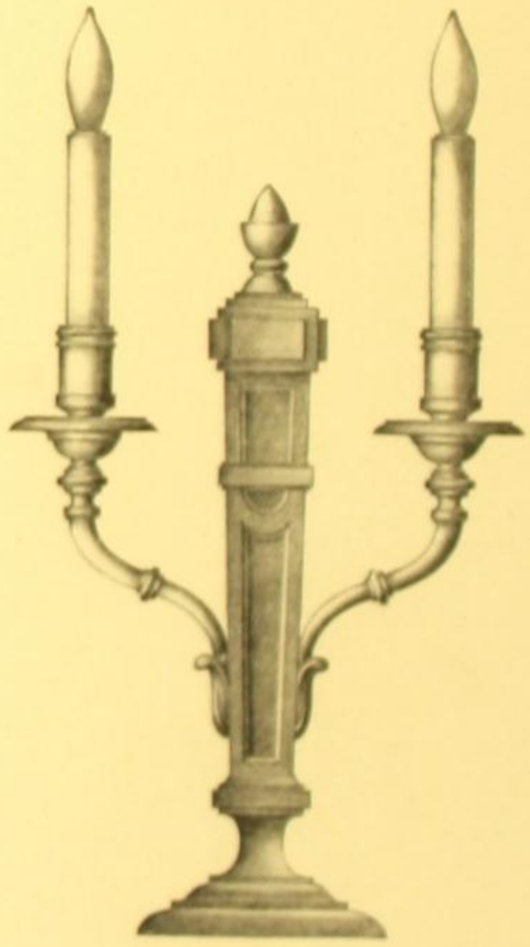
No. 10051
Scale, ⅓ full size
Spread, 20 inches
Length, 45 inches



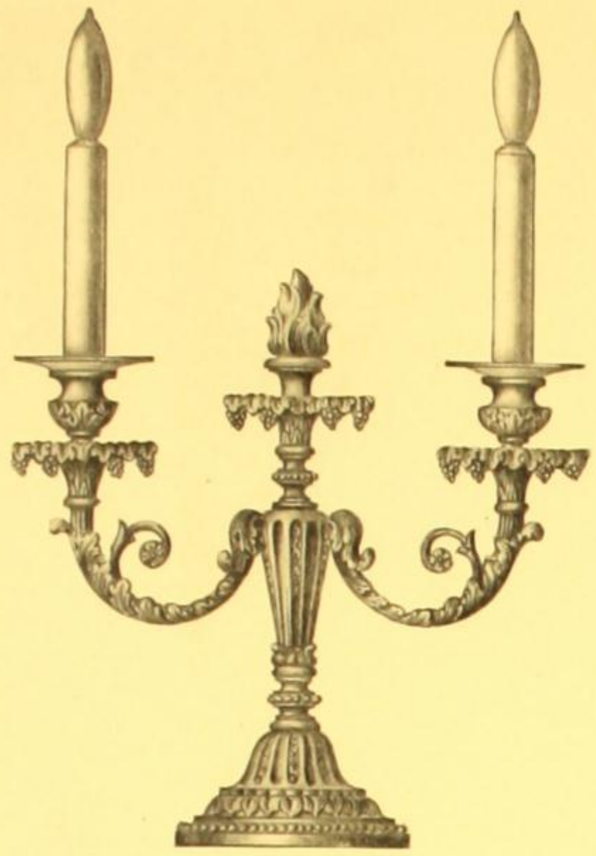
No. 15169
Scale, ⅓ full size
Spread, 7½ inches



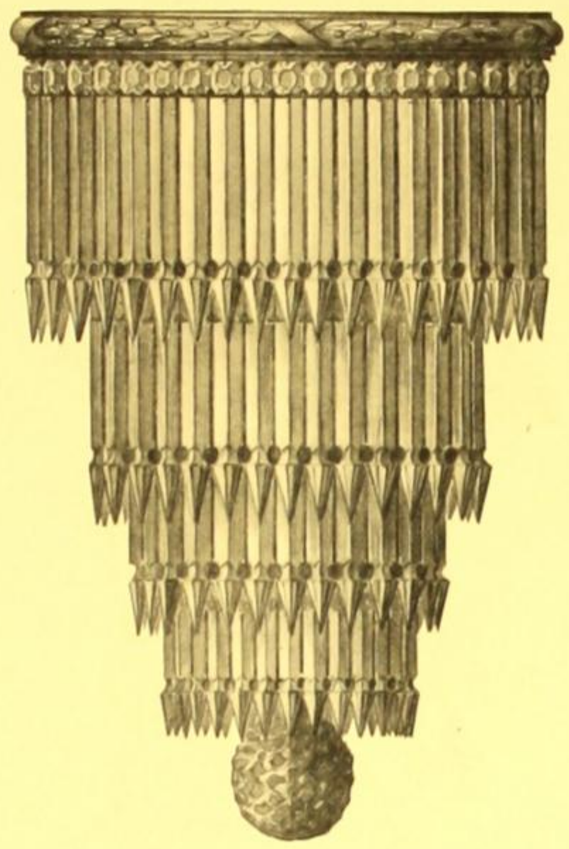
No. 15170
Scale, ⅓ full size
Spread, 10 inches



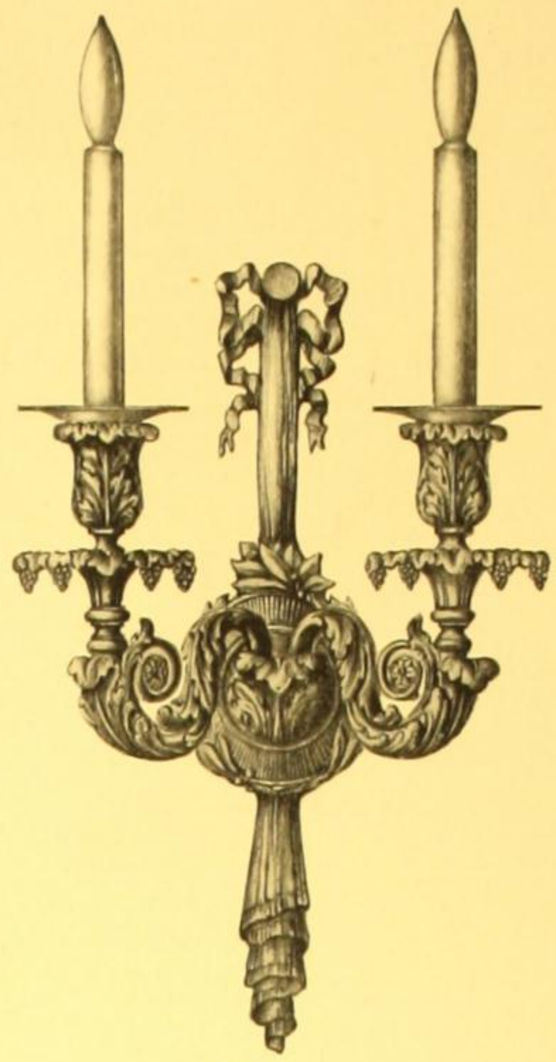
No. 19025
Scale, ⅓ full size
Spread, 9 inches
Height, 21 inches



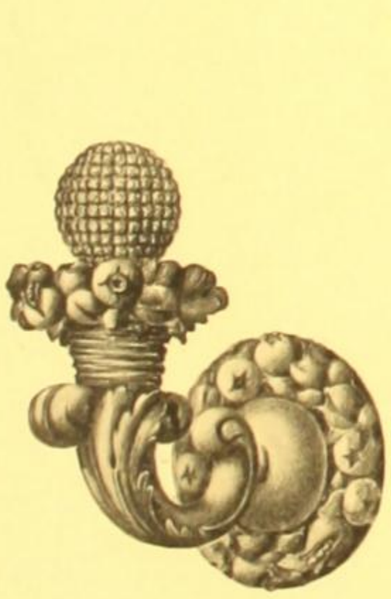
No. 19026
Scale, ⅕ full size
Spread, 10½ inches
Height, 20 inches



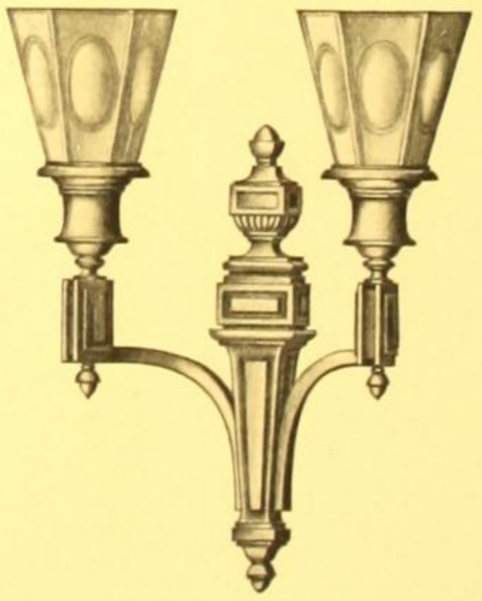
No. 13109
Scale, ⅕ full size
Spread, 13½ inches
Length, 17 inches



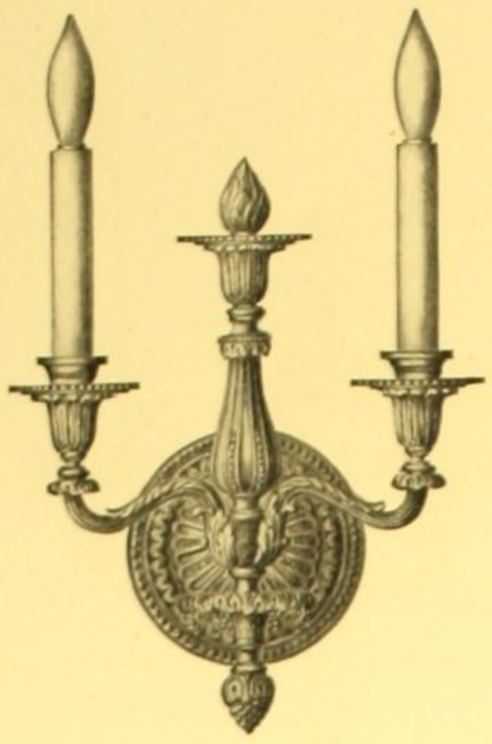
No. 15171
Scale, ⅕ full size
Spread, 8½ inches



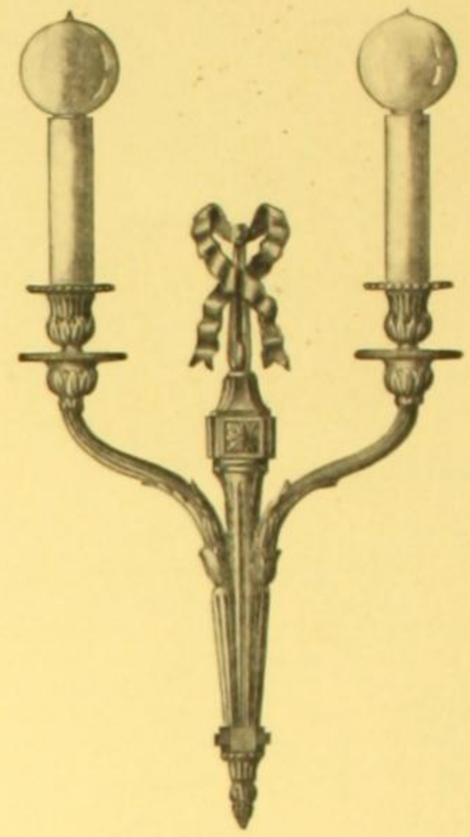
No. 15172
Scale, ⅕ full size
Extension, 7 inches



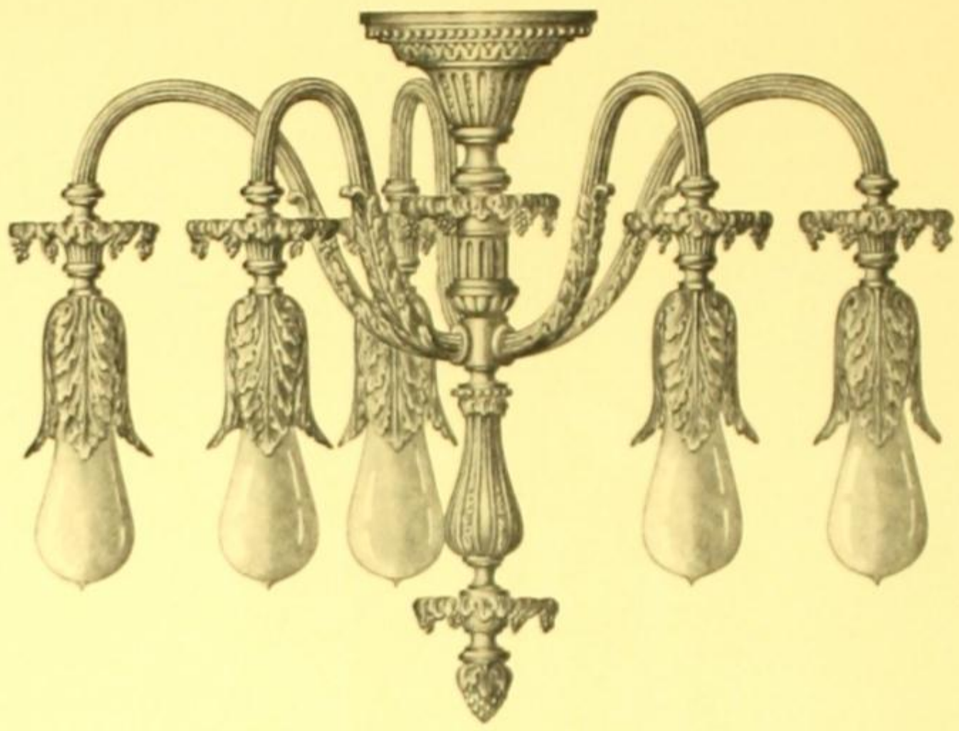
No. 15173
Scale, ⅕ full size
Spread, 8½ inches



No. 15174
Scale, ⅕ full size
Spread, 8 inches



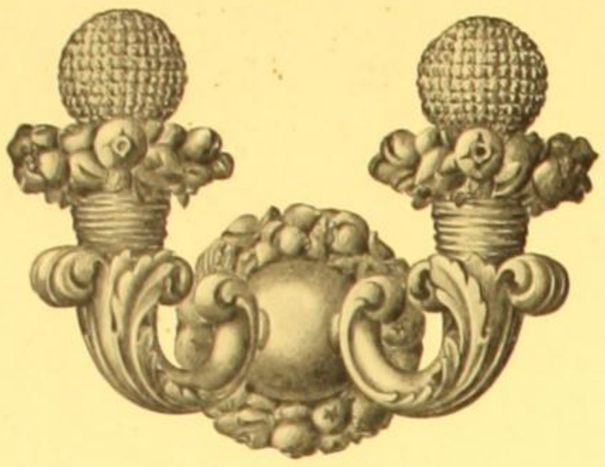
No. 15175
Scale, ⅕ full size
Spread, 8 inches



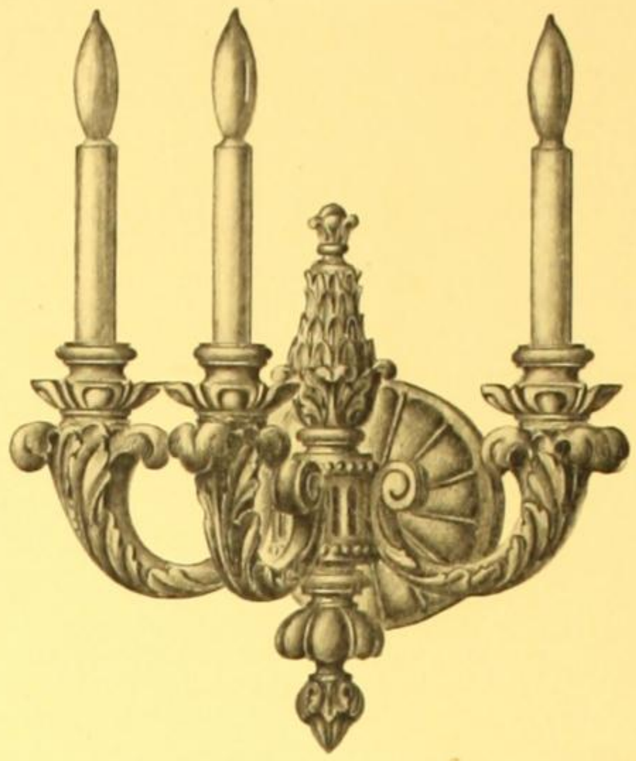
No. 13110
Scale, ⅕ full size
Spread, 21½ inches
Length, 16½ inches

No. 15176
Scale, ½ full size
Spread, 7½ inches

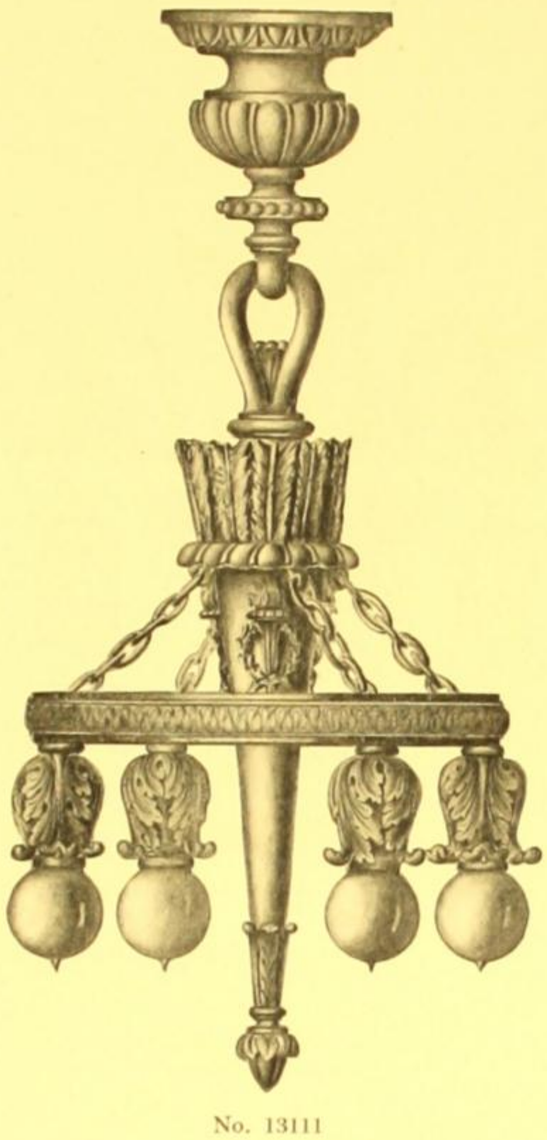
No. 15177
Scale, ½ full size
Extension, 3 inches



No. 15178
Scale, ⅕ full size
Spread, 8½ inches

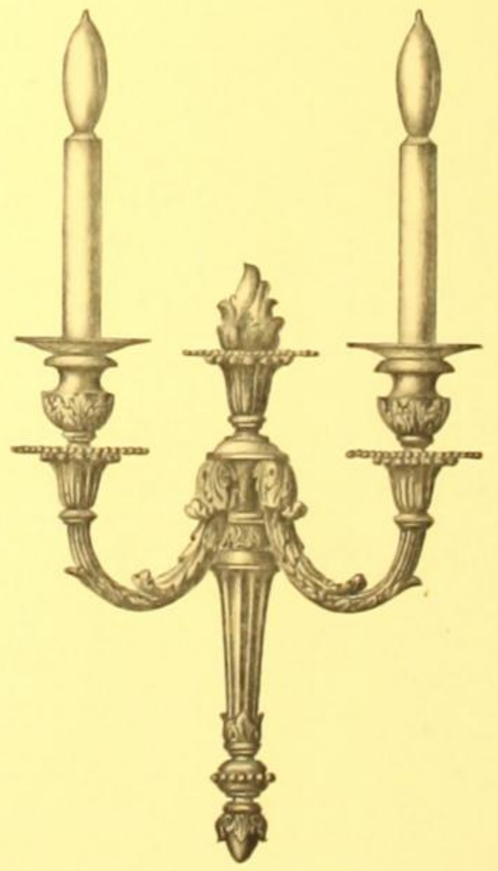


No. 15179
Scale, ⅕ full size
Spread, 11½ inches

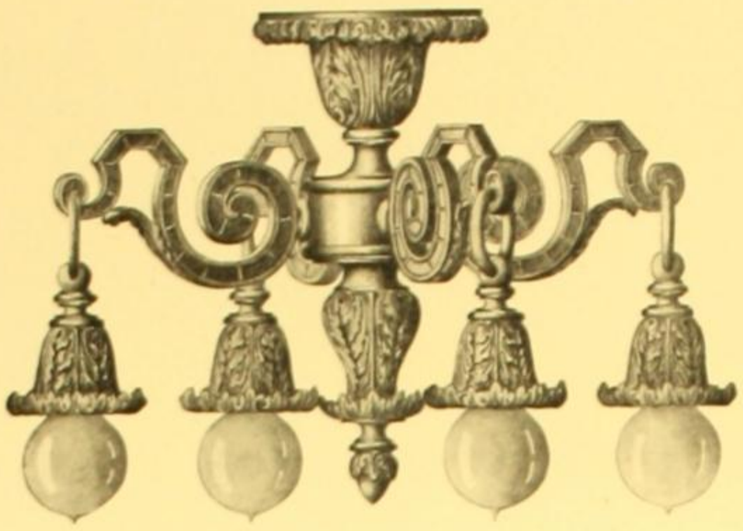


No. 13111
Scale, ⅕ full size
Spread, 10 inches
Length, 25 inches

No. 15180
Scale, ⅕ full size
Extension, 6 inches

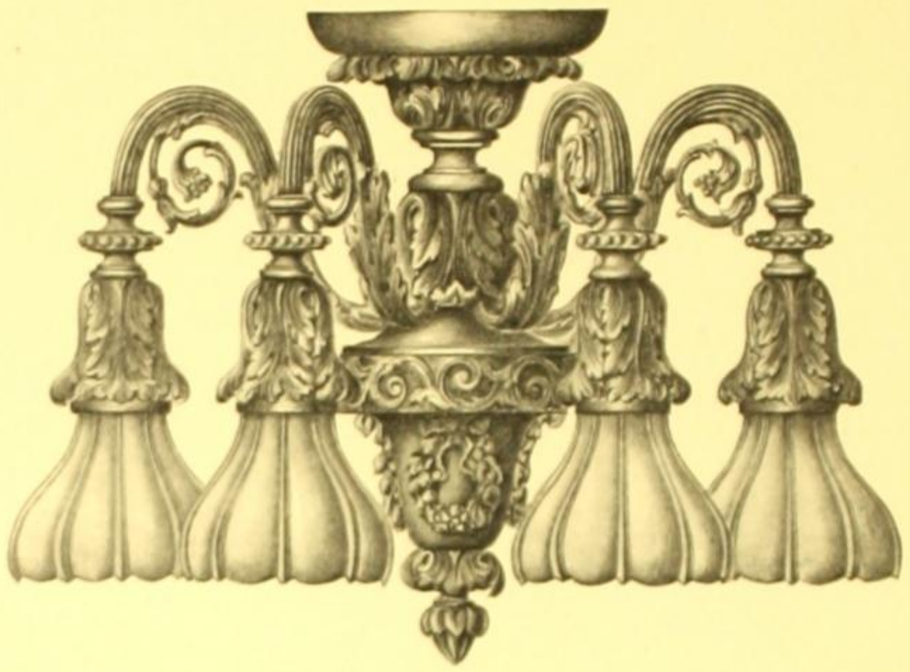


No. 15181
Scale, ⅕ full size
Spread, 8½ inches



No. 13112
Scale, ⅕ full size
Spread, 14 inches
Length, 13½ inches

No. 15182
Scale, ⅕ full size
Extension, 9 inches

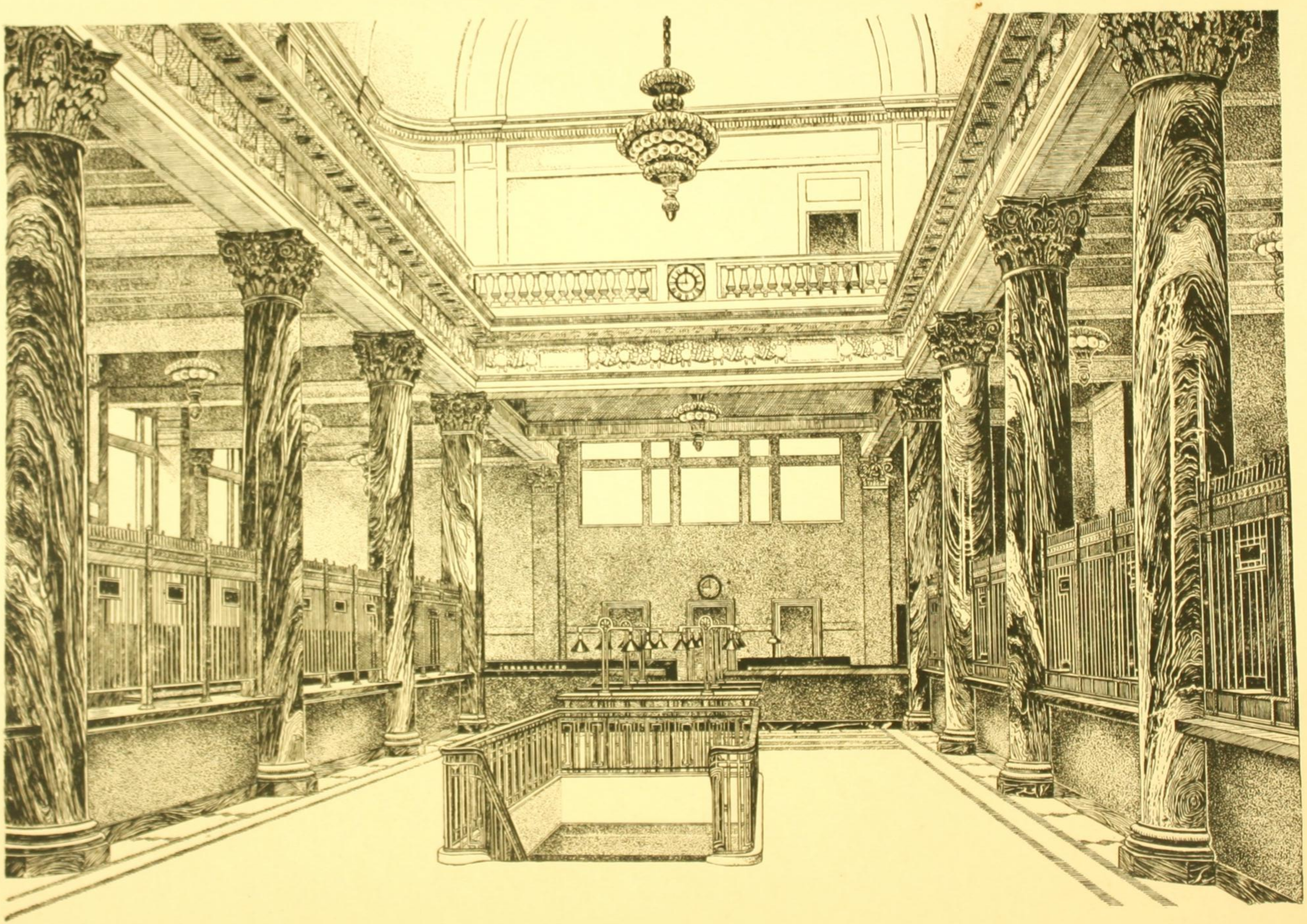


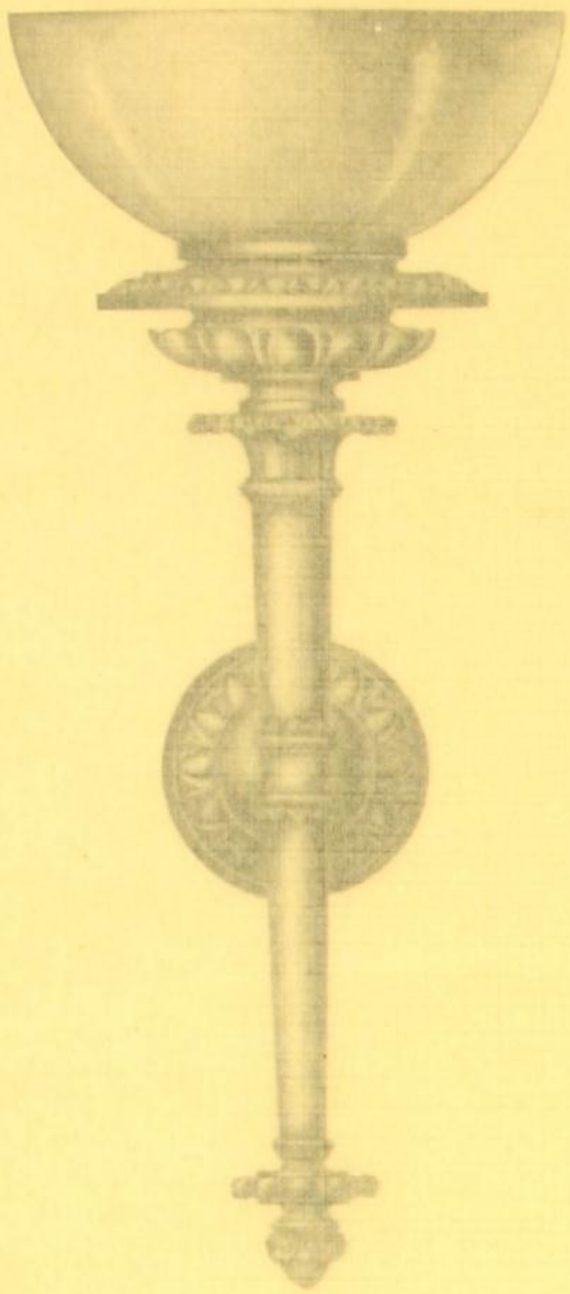
No. 13113
Scale, ⅕ full size
Spread, 16 inches
Length, 15 inches

No. 13114
Scale, ½ full size
Spread, 7 inches
Length, 7½ inches

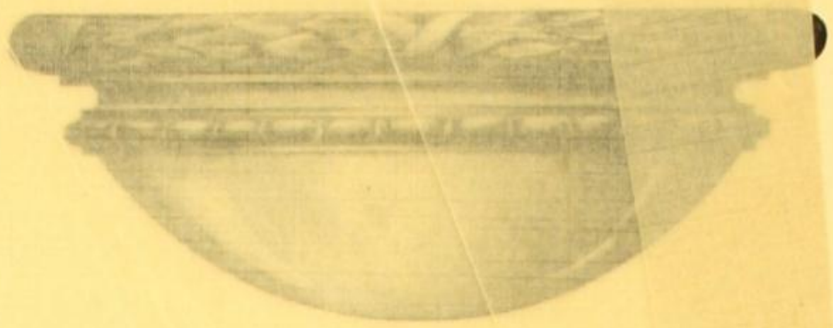
No. 18007
Scale, ½ full size
Spread, 8 inches
Length, 41 inches

COMMERCIAL SECTION

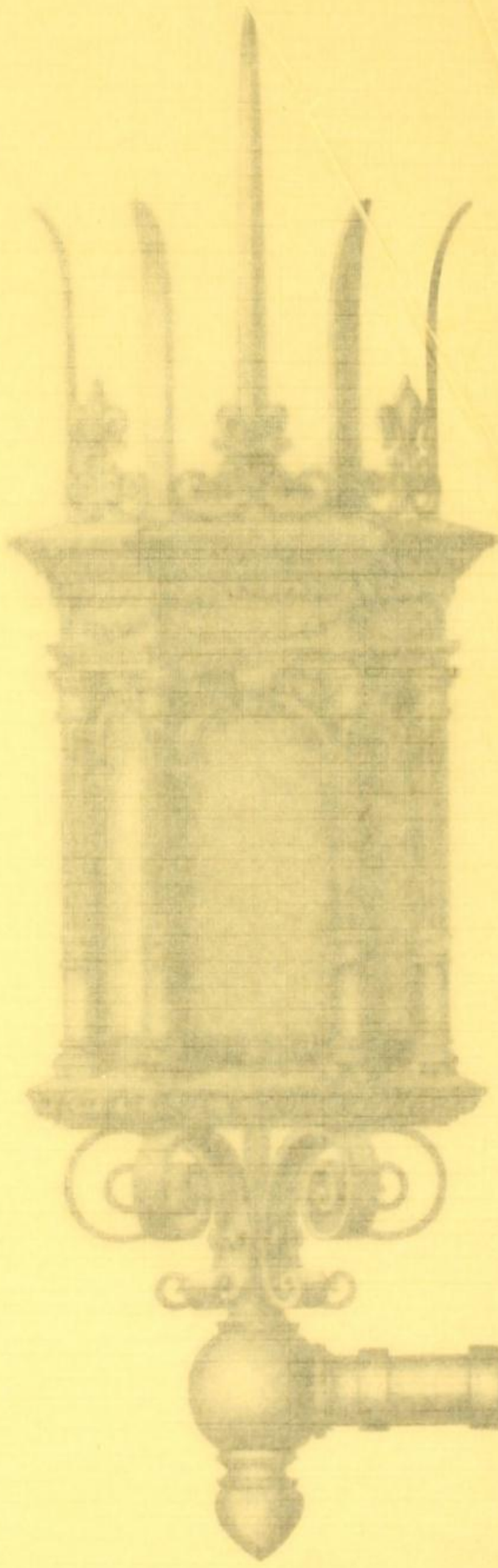


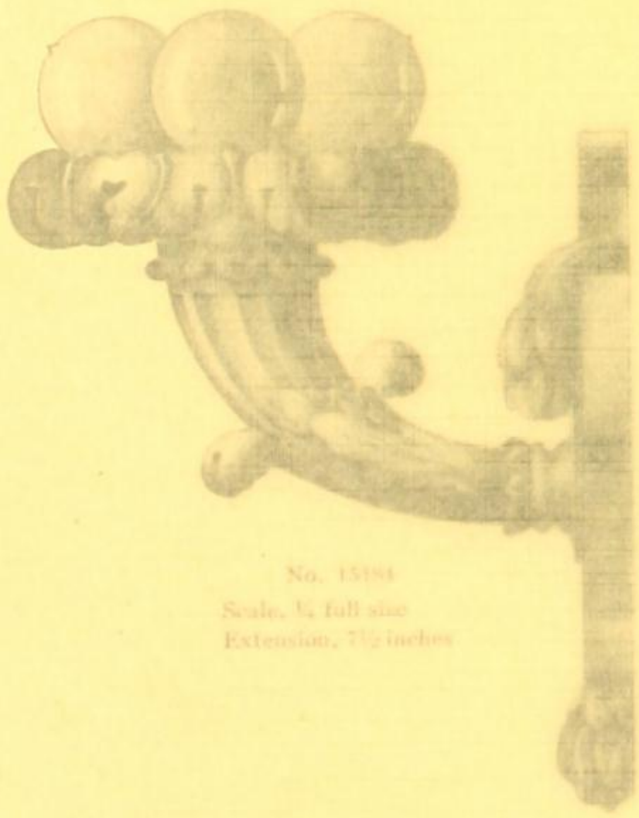


No. 13183
Scale, ¼ full size
Length, 30 inches



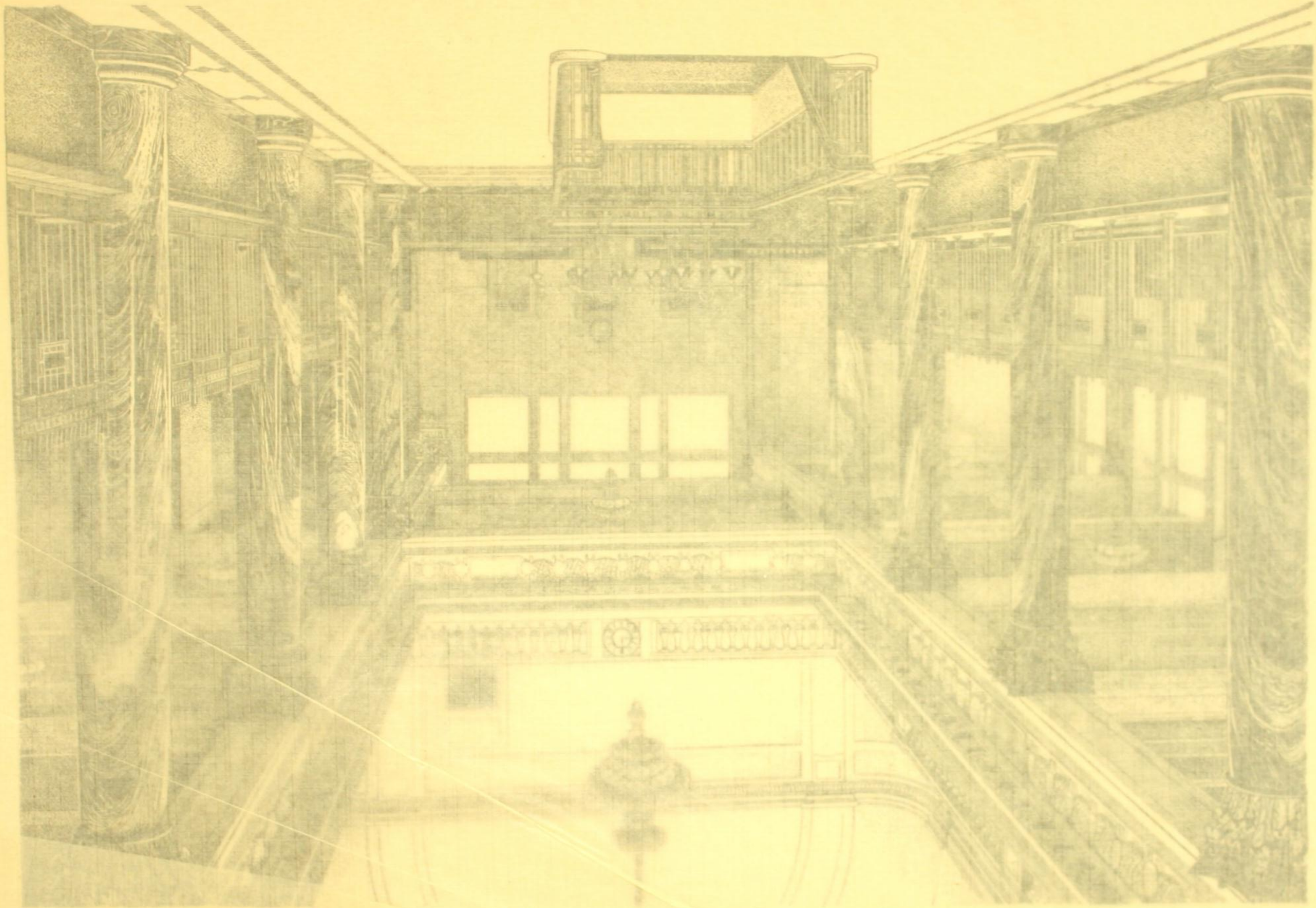
No. 13113
Scale, ½ full size
Spread, 14 inches
Length, 6 inches

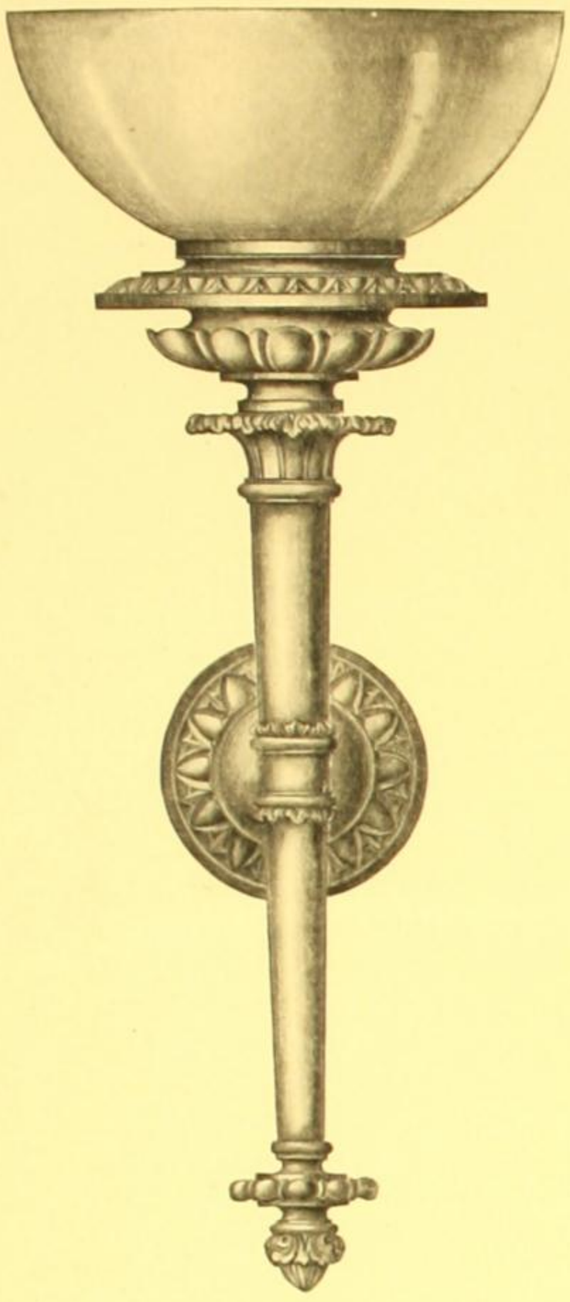




No. 13184
Scale, ½ full size
Extension, 7½ inches

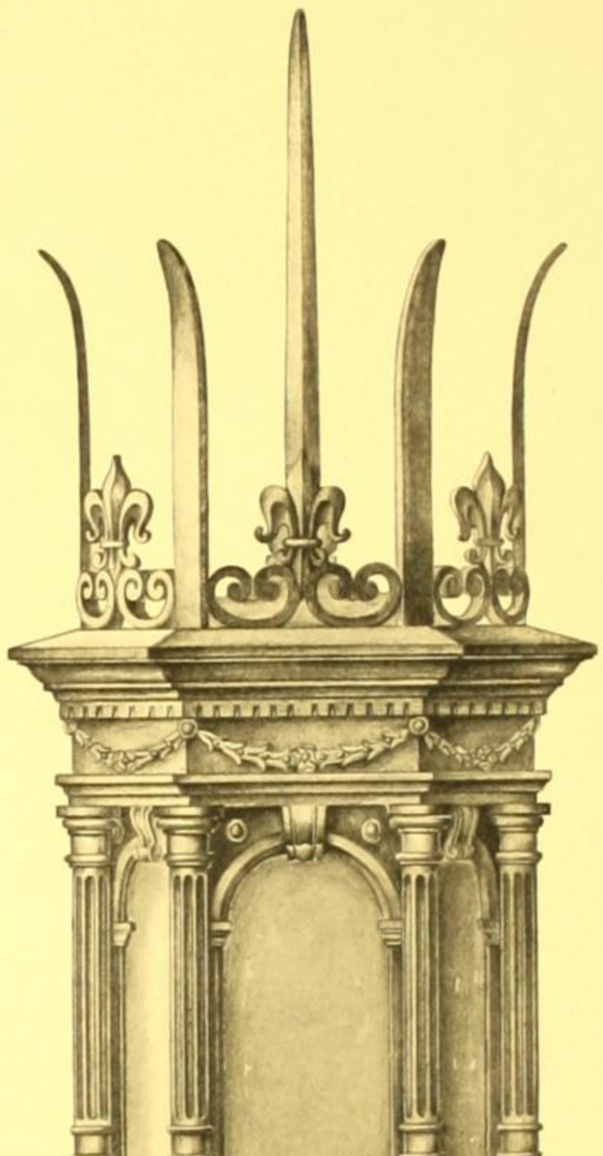
No. 13185
Scale, ½ full size
Extension, 13½ inches

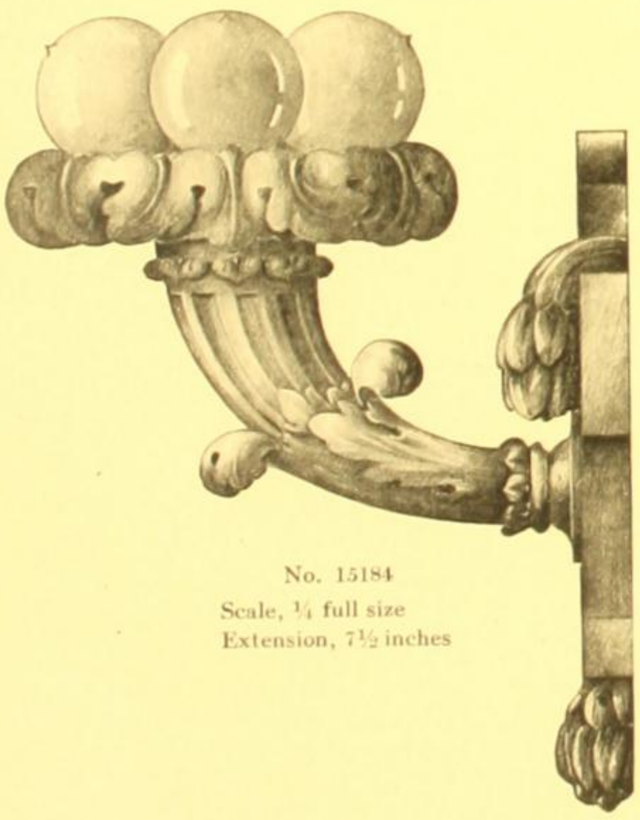




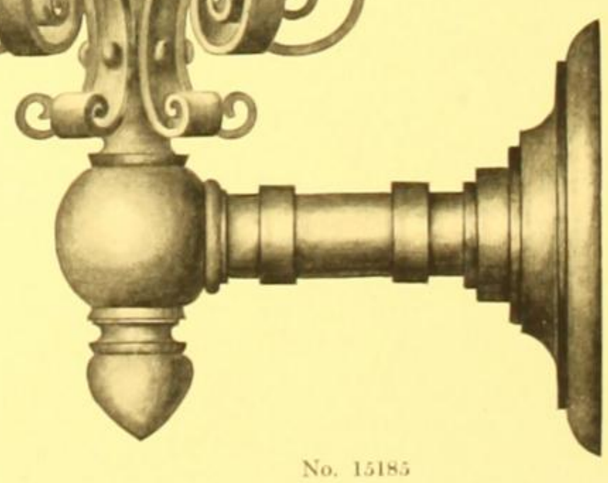
No. 15183
Scale, 1/6 full size
Length, 36 inches

No. 13115
Scale, 1/4 full size
Spread, 14 inches
Length, 6 inches

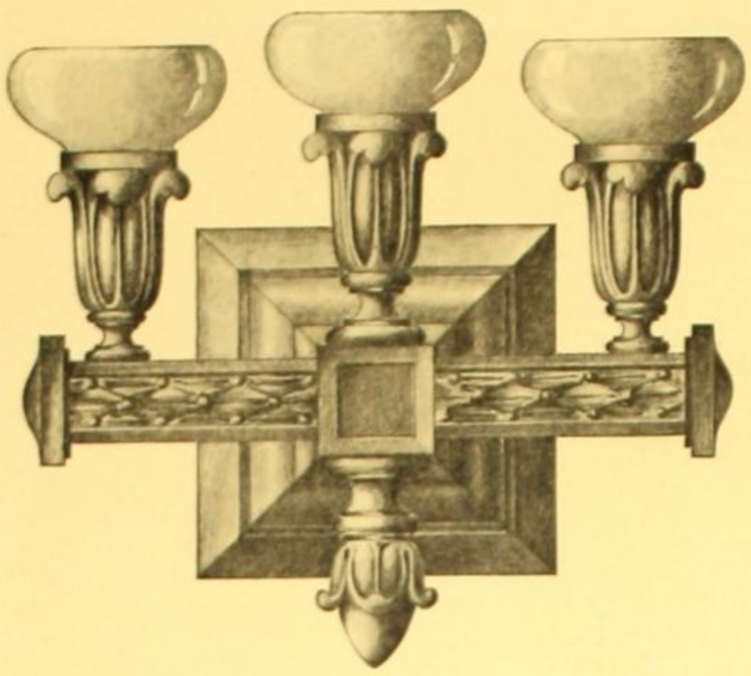




No. 15184
Scale, 1/4 full size
Extension, 7½ inches

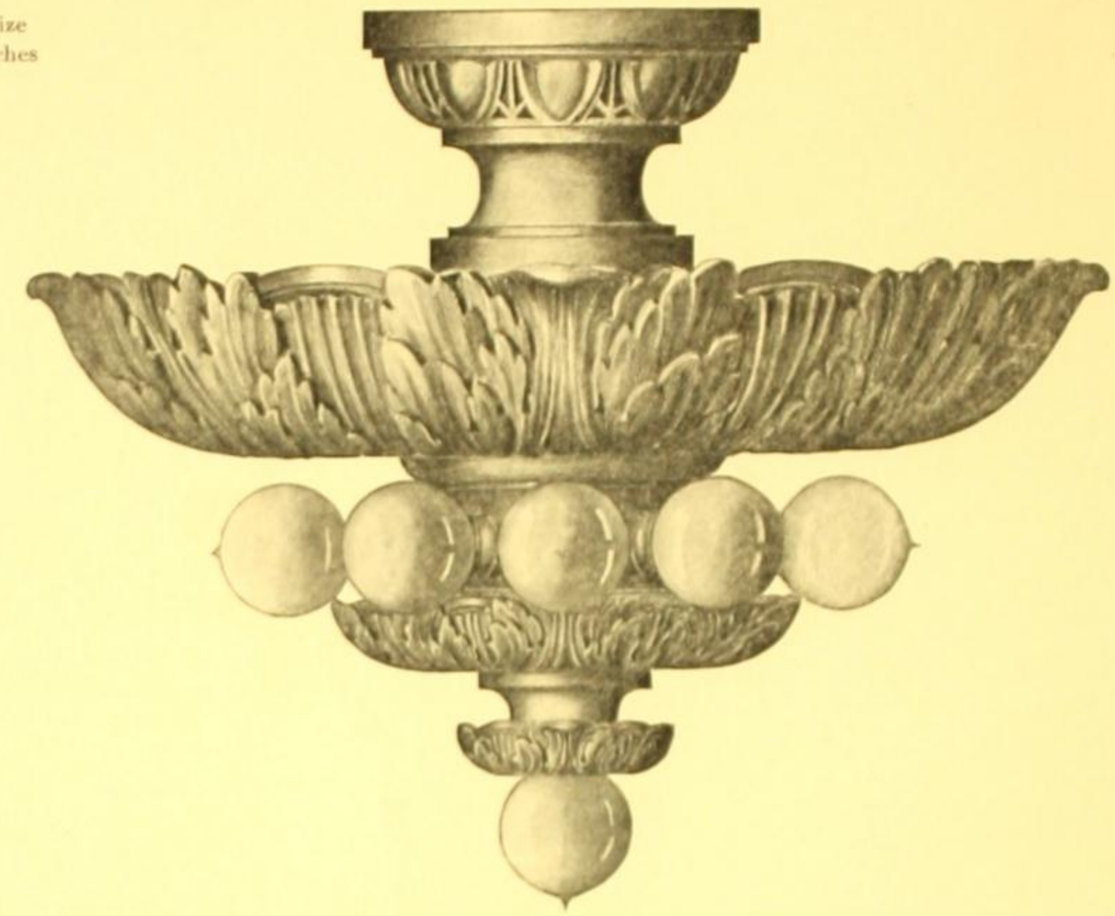


No. 15185
Scale, 1/6 full size
Extension, 13½ inches

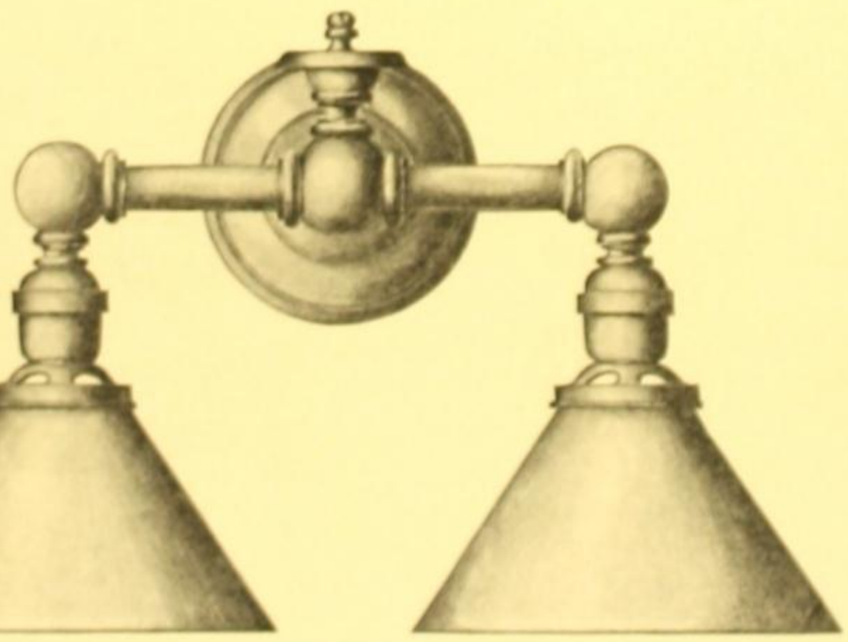


No. 15186
Scale, ¾ full size
Spread, 10 inches

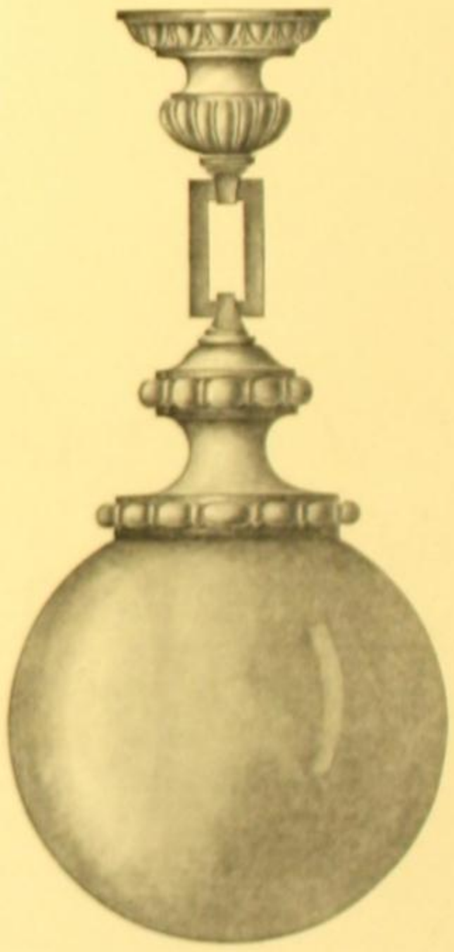
No. 15187
Scale, ¼ full size
Spread, 10 inches



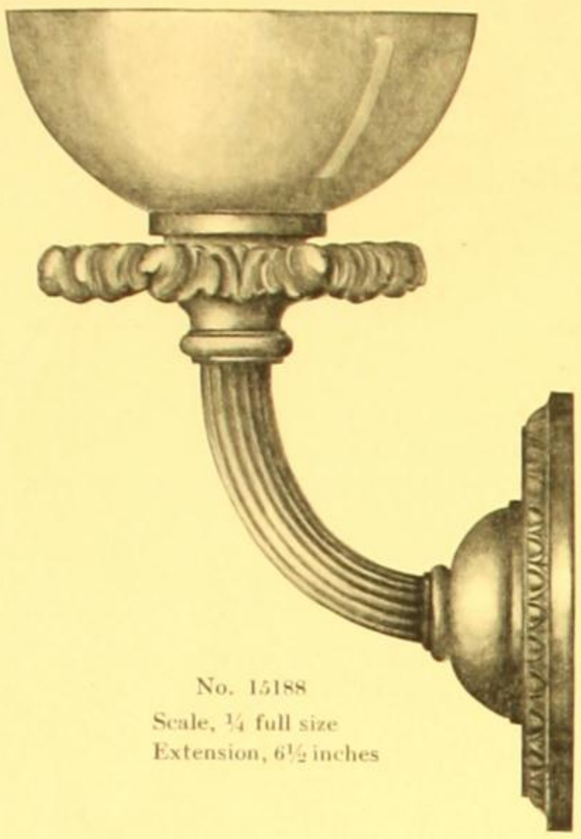
No. 13117
Scale, ¼ full size
Spread, 20 inches
Length, 16½ inches



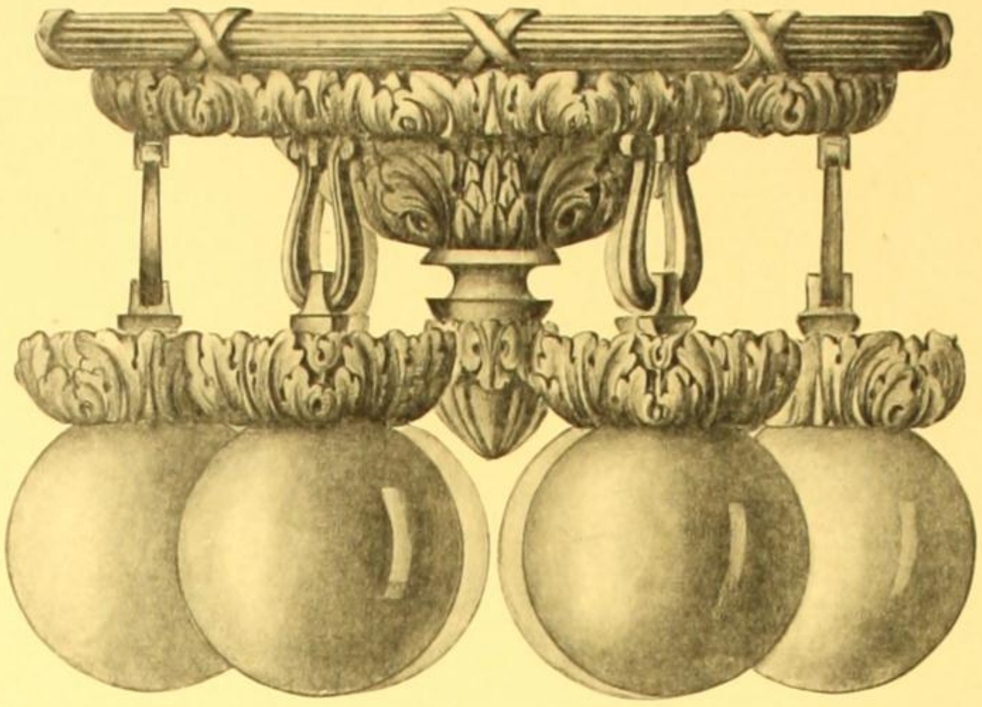
No. 21080
Scale, ⅓ full size
Spread, 11 inches



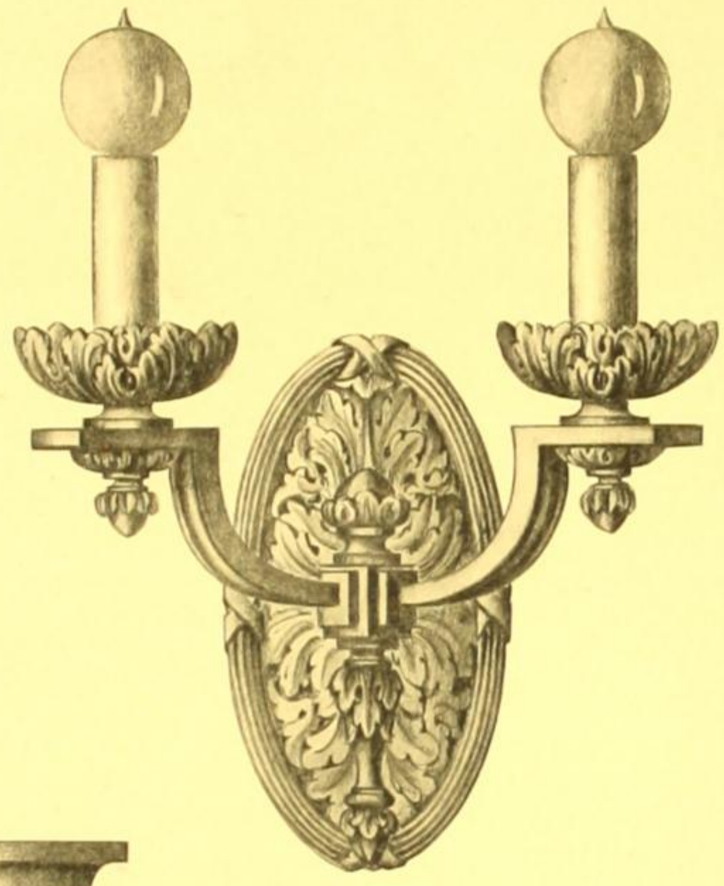
No. 13116
Scale, ⅓ full size
Length, 26 inches



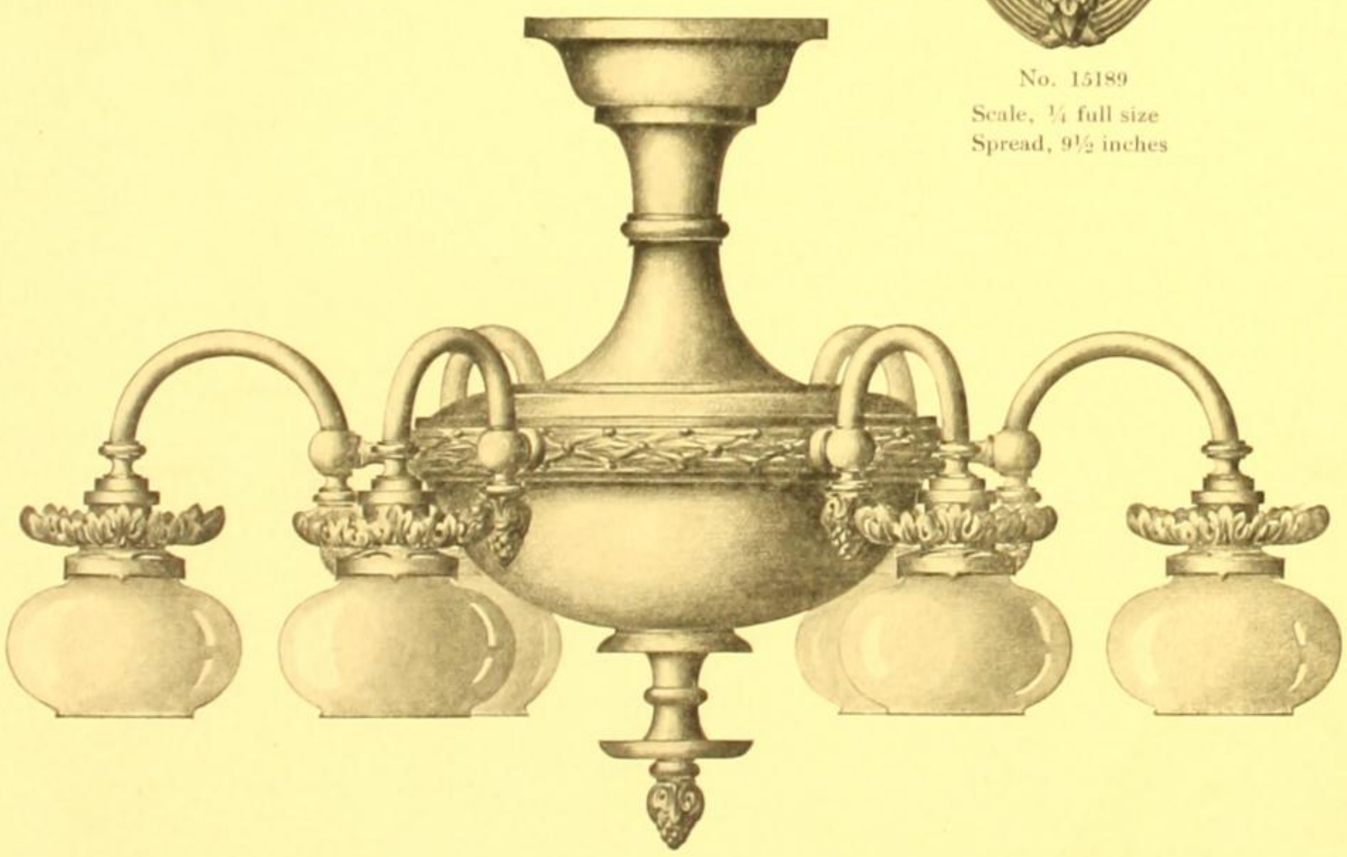
No. 15188
Scale, ¼ full size
Extension, 6½ inches



No. 13118
Scale, ¼ full size
Spread, 17 inches
Length, 13 inches

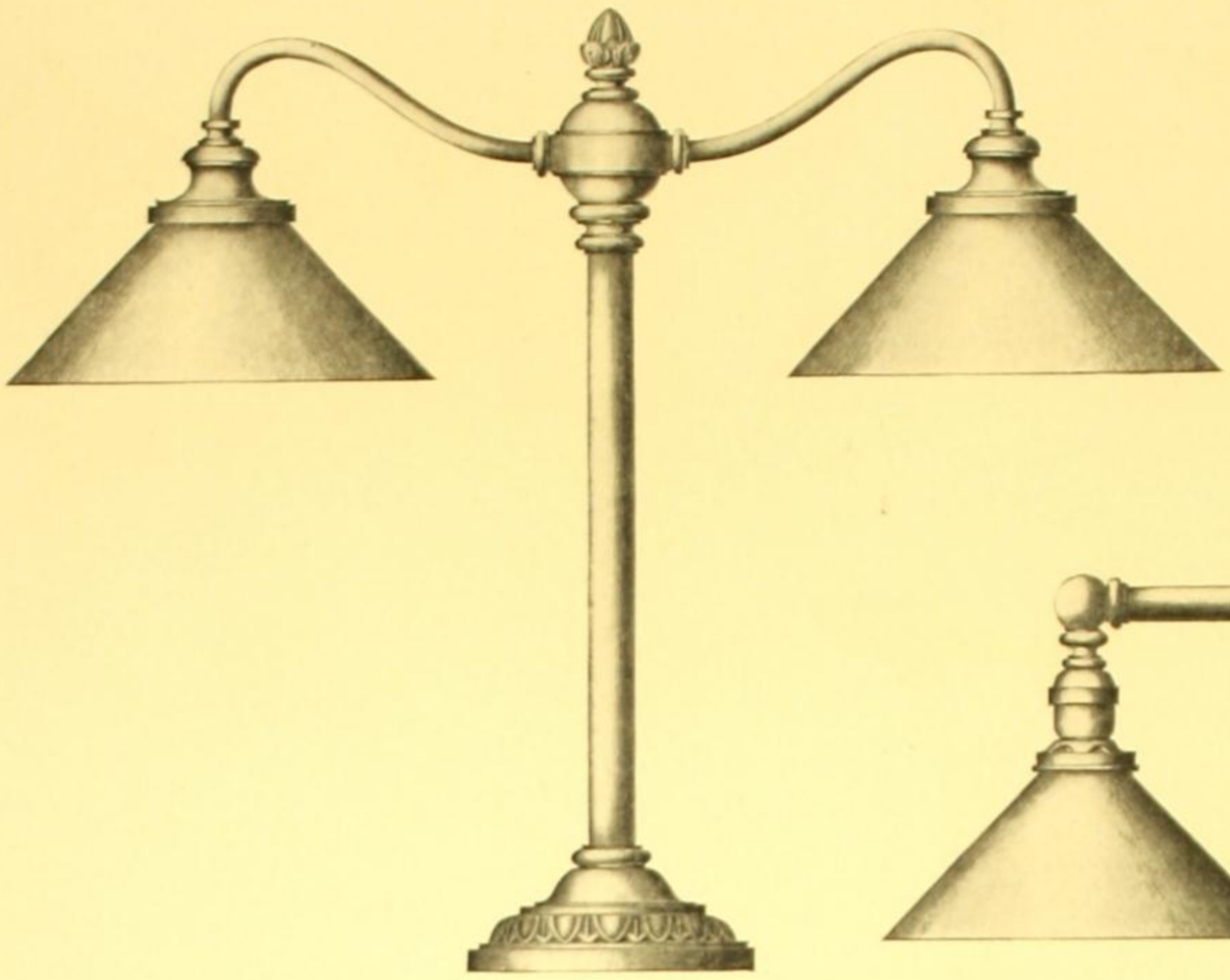


No. 15189
Scale, ¼ full size
Spread, 9½ inches

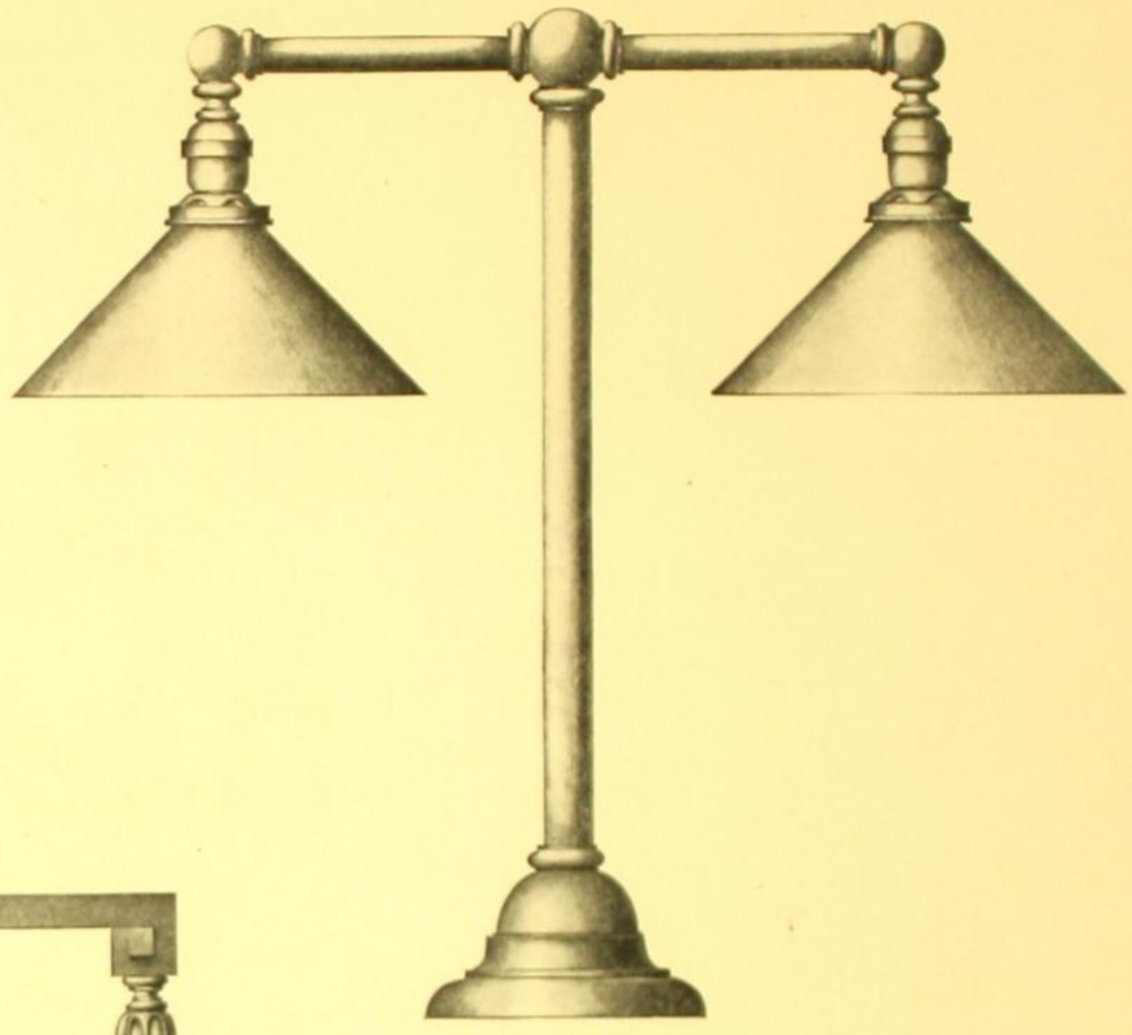


No. 13120
Scale, ¼ full size
Spread, 21 inches
Length, 16 inches

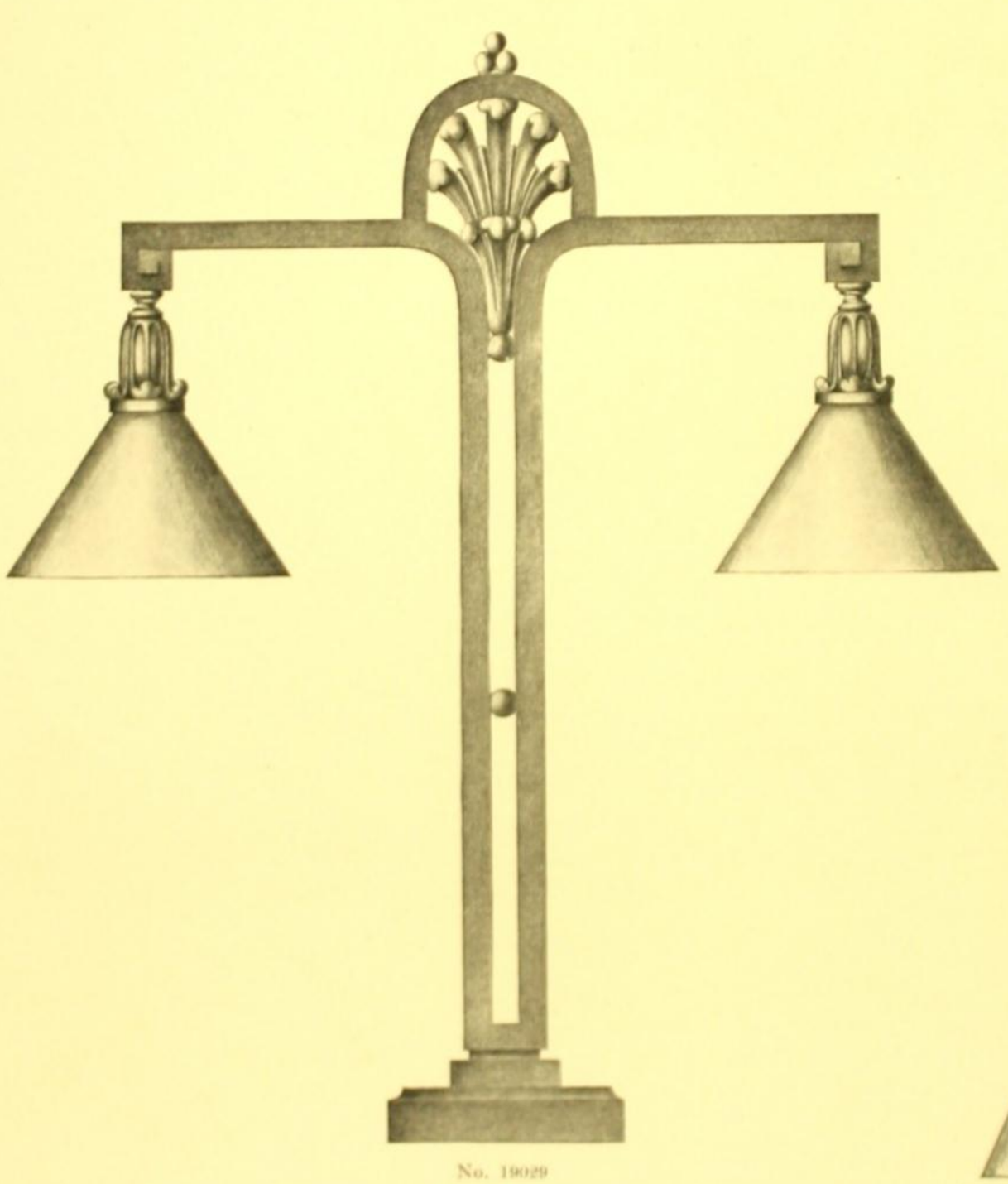
No. 13119
Scale, ¼ full size
Spread, 8 inches
Length, 8 inches



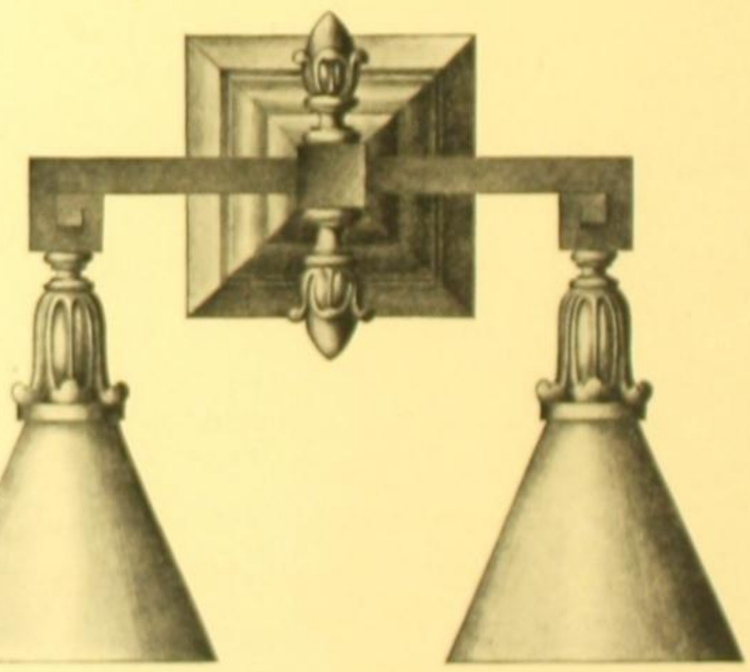
No. 19027
Scale, ⅛ full size
Spread, 22½ inches
Height, 27½ inches



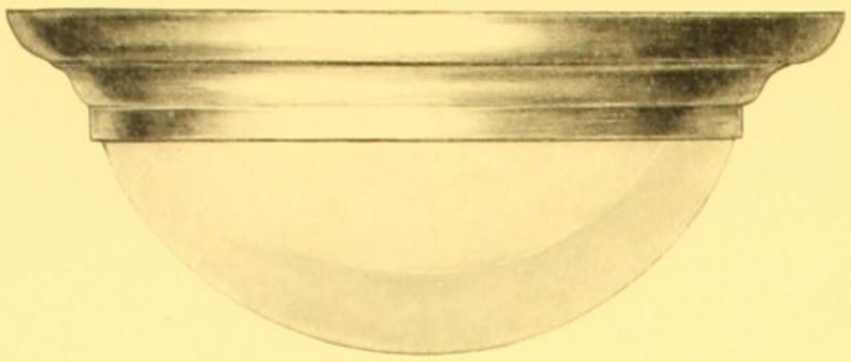
No. 19028
Scale, ⅛ full size
Spread, 20 inches
Height, 28½ inches



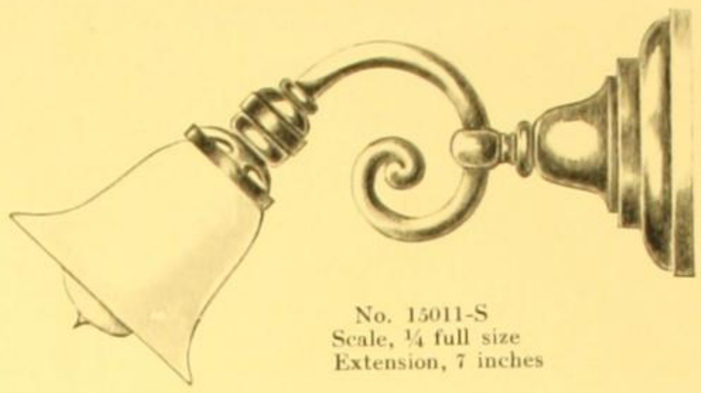
No. 19029
Scale, ⅛ full size
Spread, 24½ inches
Height, 37½ inches



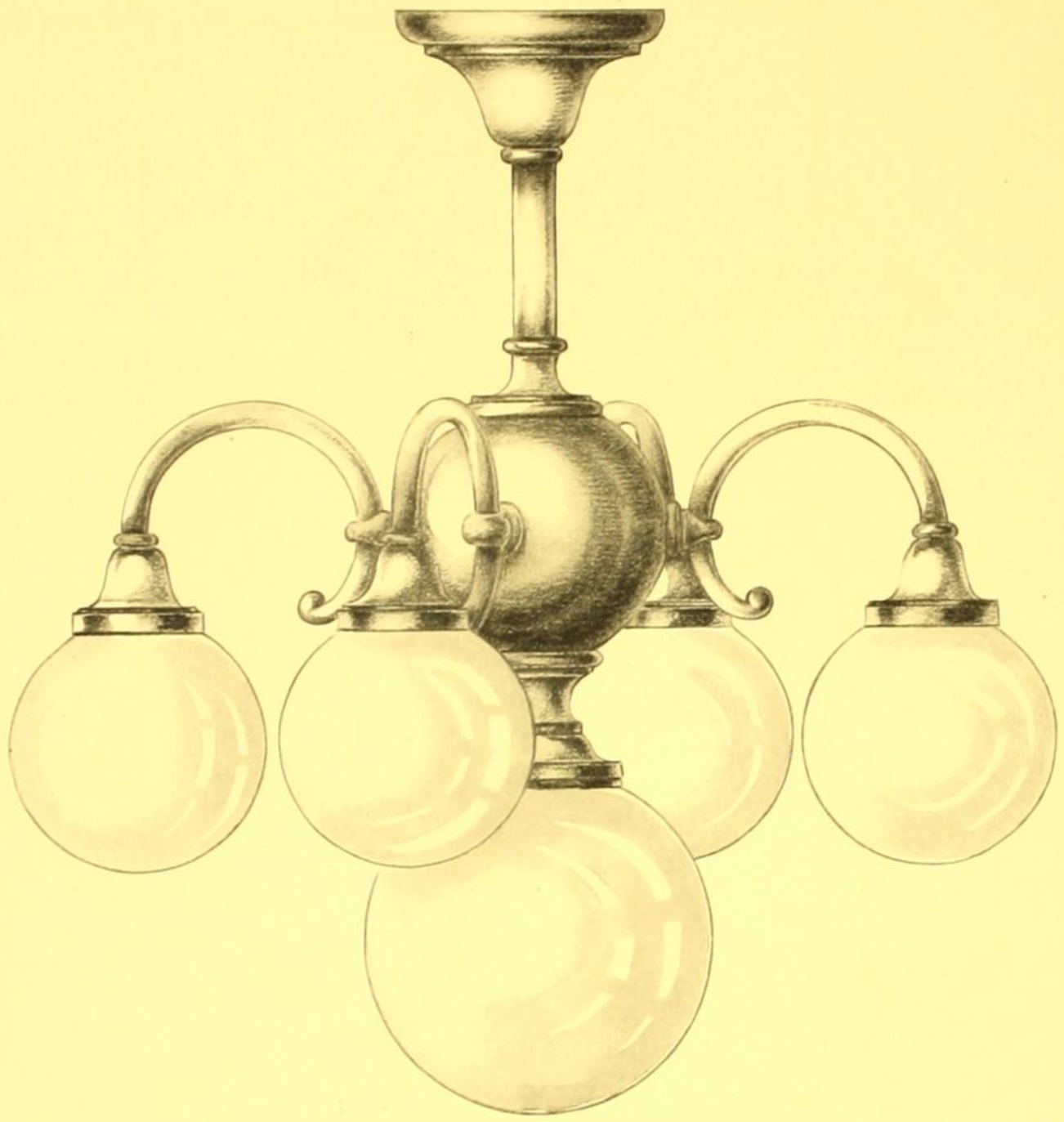
No. 15190
Scale, ⅛ full size
Spread, 12½ inches



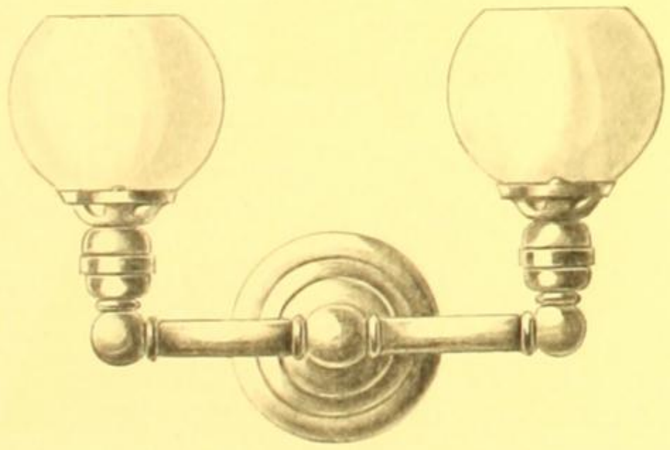
No. 13015-S
Scale, ¼ full size
Diameter Ceiling Plate, 16 inches
Length, 7 inches



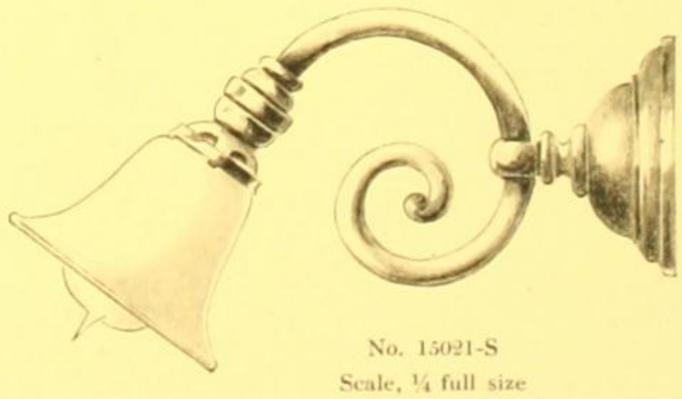
No. 15011-S
Scale, ¼ full size
Extension, 7 inches



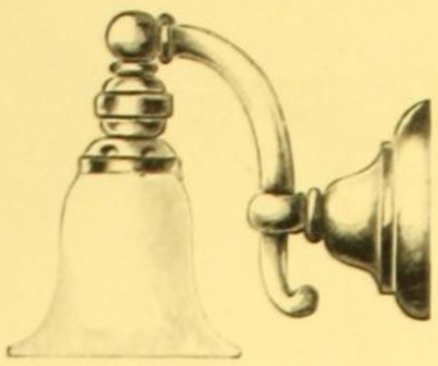
No. 13019
Scale, ¼ full size
Spread, 19 inches
Length, 26 inches



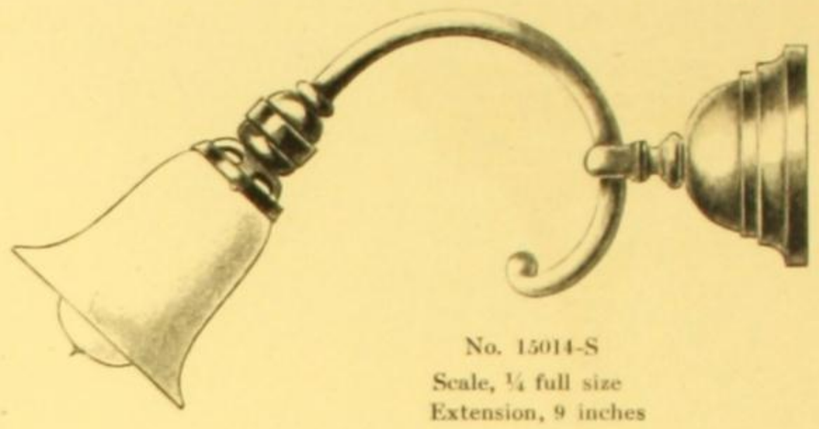
No. 15020-S
Scale, ¼ full size
Spread, 8 inches



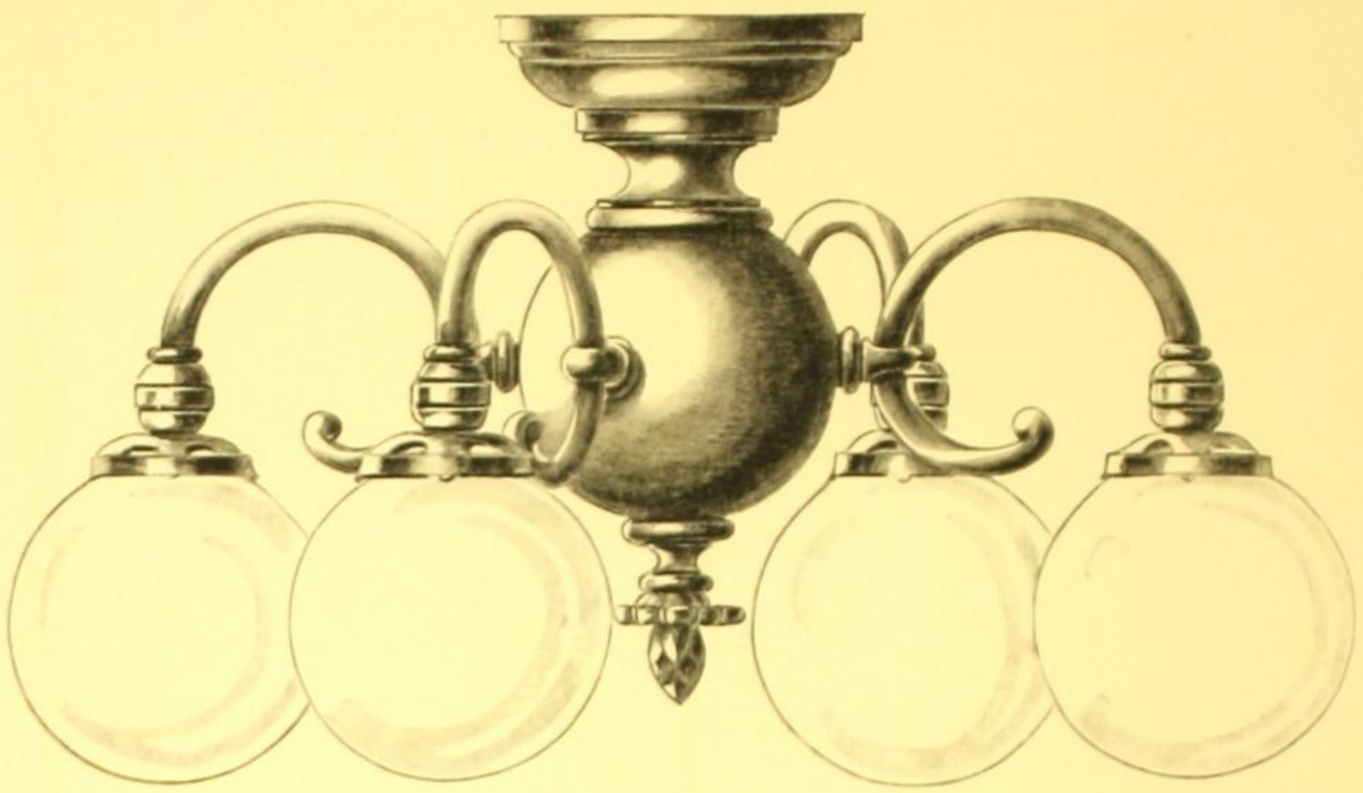
No. 15021-S
Scale, ¼ full size
Extension, 7½ inches



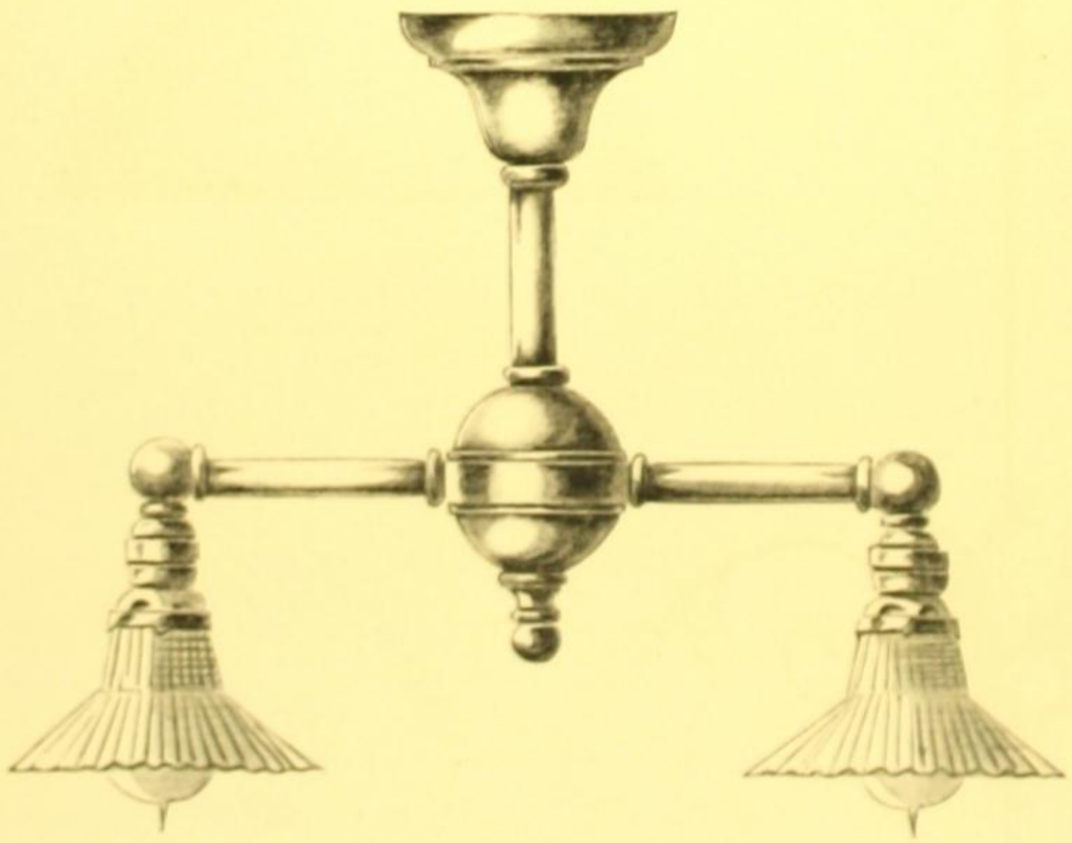
No. 13022
Scale, ¼ full size
Extension, 7 inches



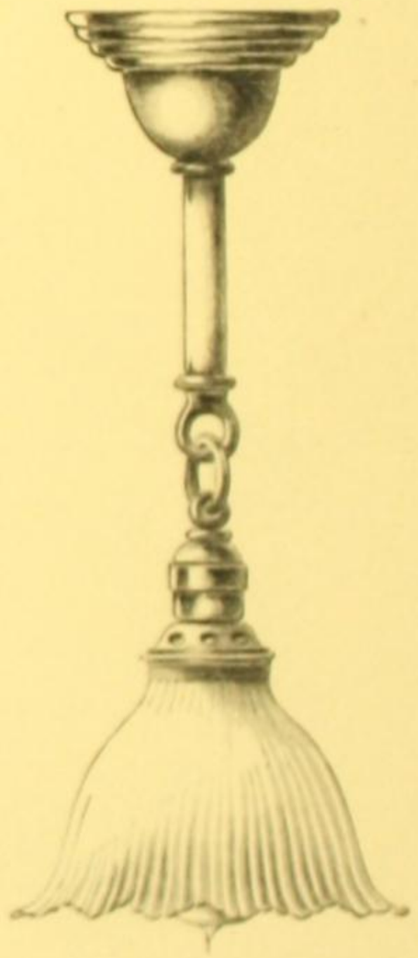
No. 15014-S
Scale, ¼ full size
Extension, 9 inches



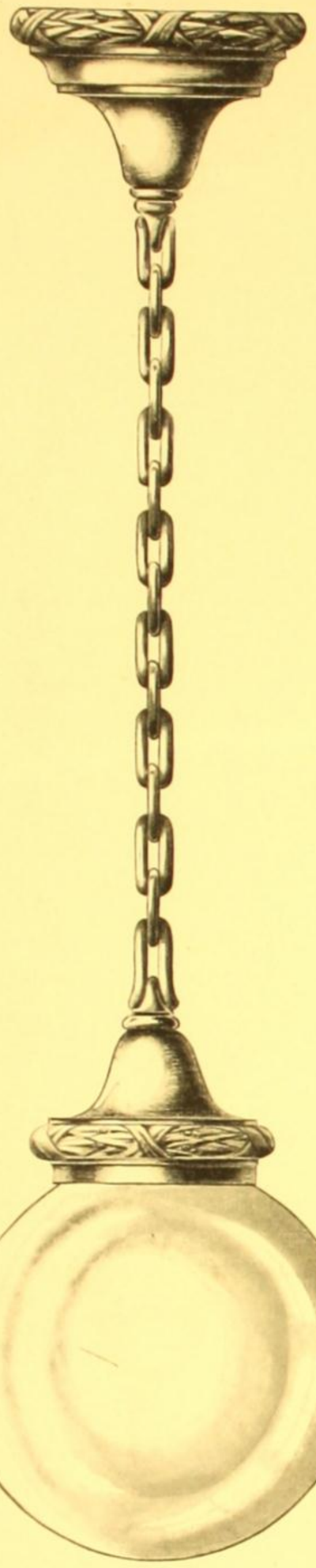
No. 13022-S
Scale, ¼ full size
Spread, 19 inches
Length, 15 inches



No. 13017-S
Scale, ¼ full size
Spread, 14 inches
Length, 15 inches

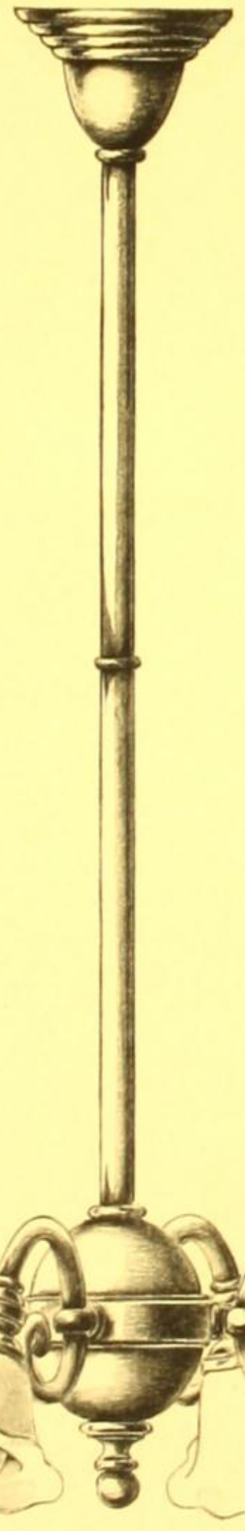


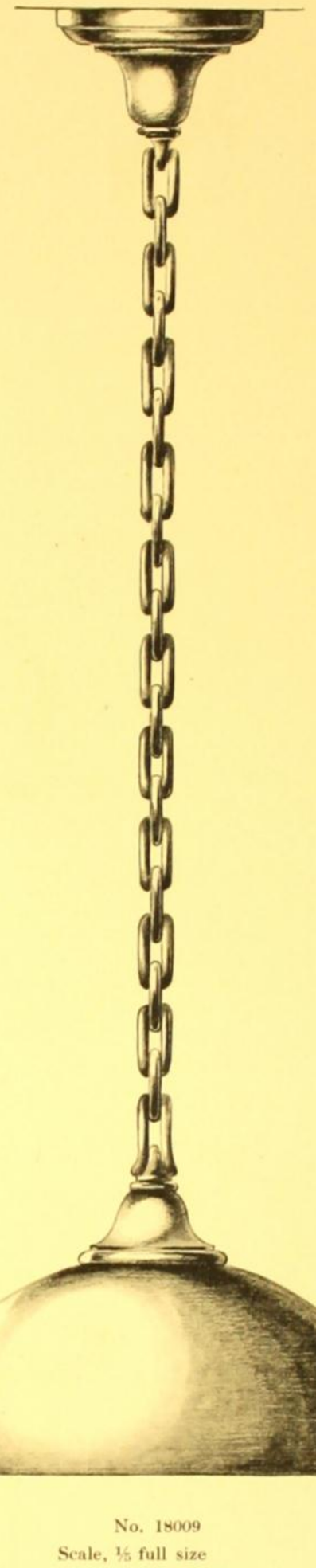
No. 13028-S
Scale, ¼ full size
Length, 17 inches



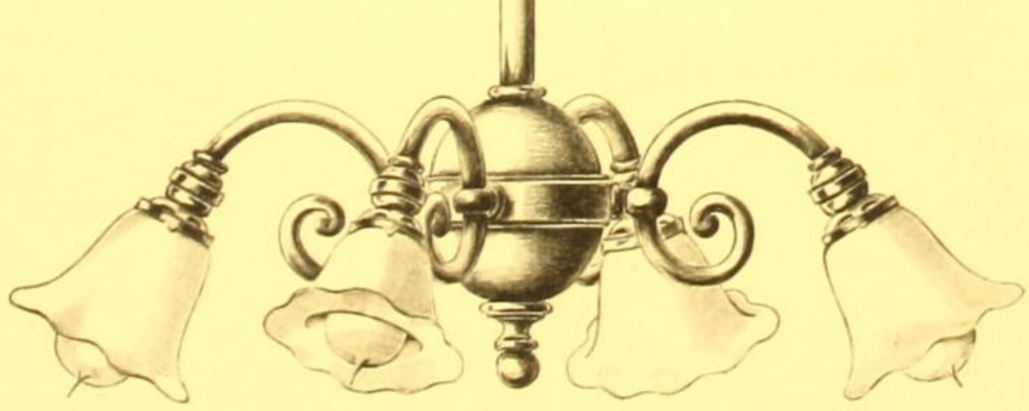
No. 18008
Scale, ⅕ full size
Length, 46 inches

No. 13013-S
Scale, ¼ full size
Diameter Ceiling Plate, 6 inches
Length, 8 inches

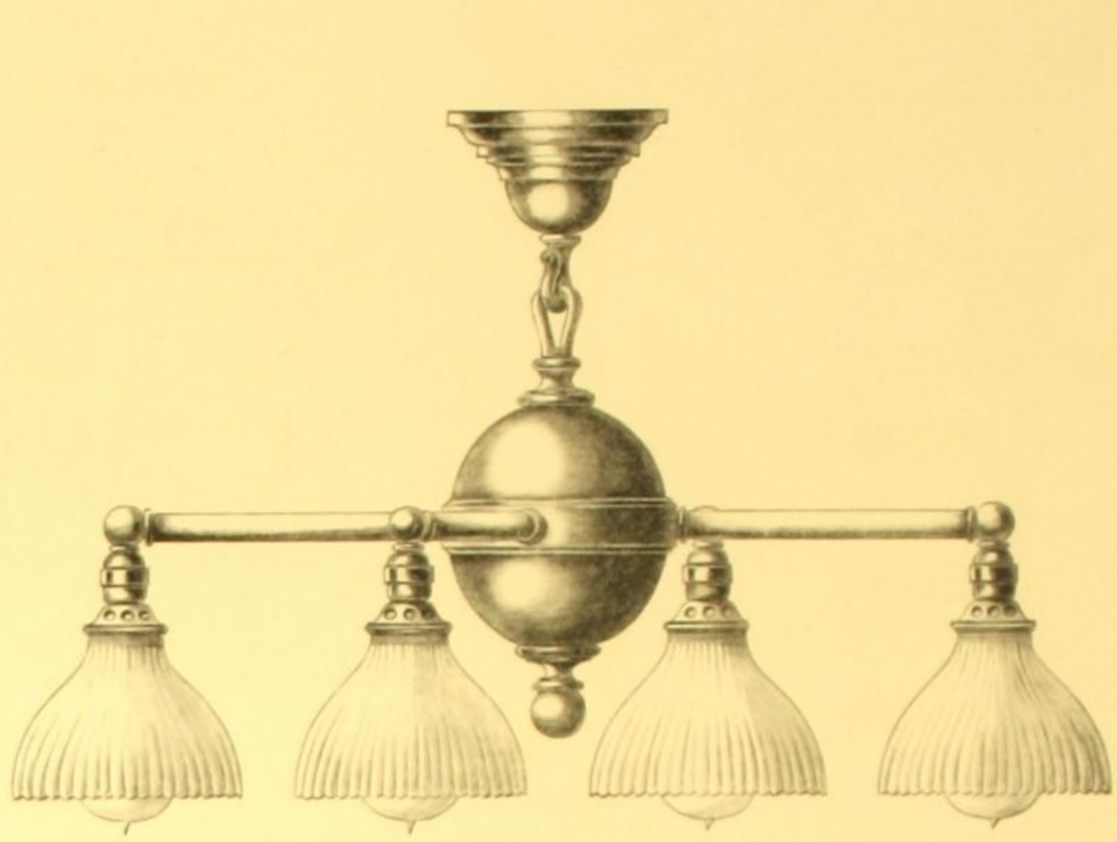




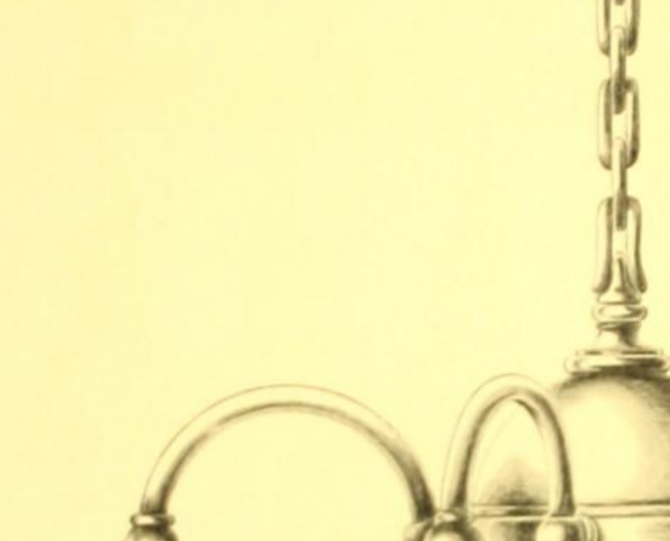
No. 18009
Scale, ⅛ full size
16 inch Metal Reflector
Length, 44 inches



No. 10010-S
Scale, ⅛ full size
Spread, 15 inches
Length, 36 inches



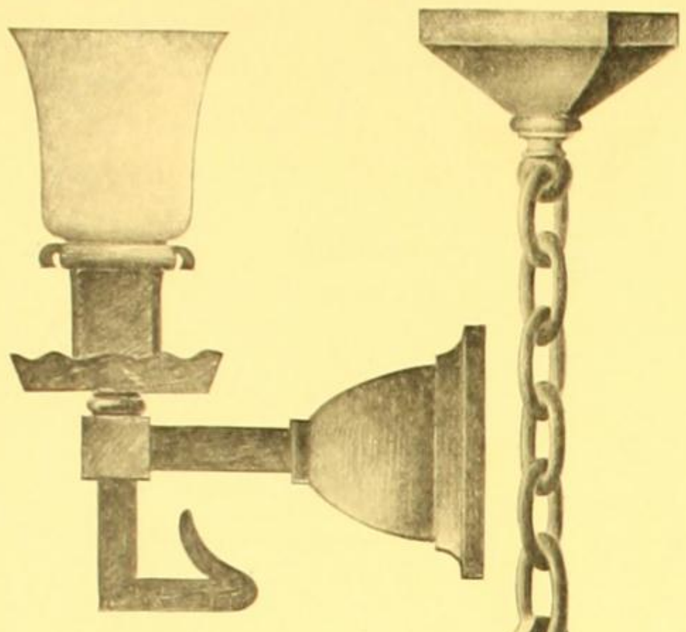
No. 13014
Scale, ⅛ full size
Spread, 24 inches
Length, 18 inches



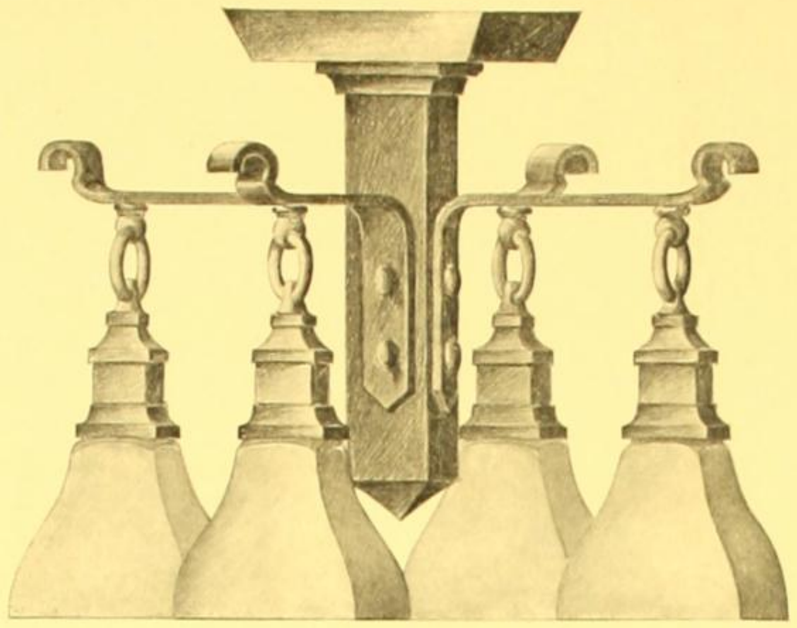
No. 13015-S
Scale, ¼ full size
Extension, 8 inches

No. 10024
Scale, ⅛ full size
Spread, 22½ inches
Length, 46 inches

No. 10019
Scale, ⅛ full size
Spread, 24 inches
Length, 35 inches

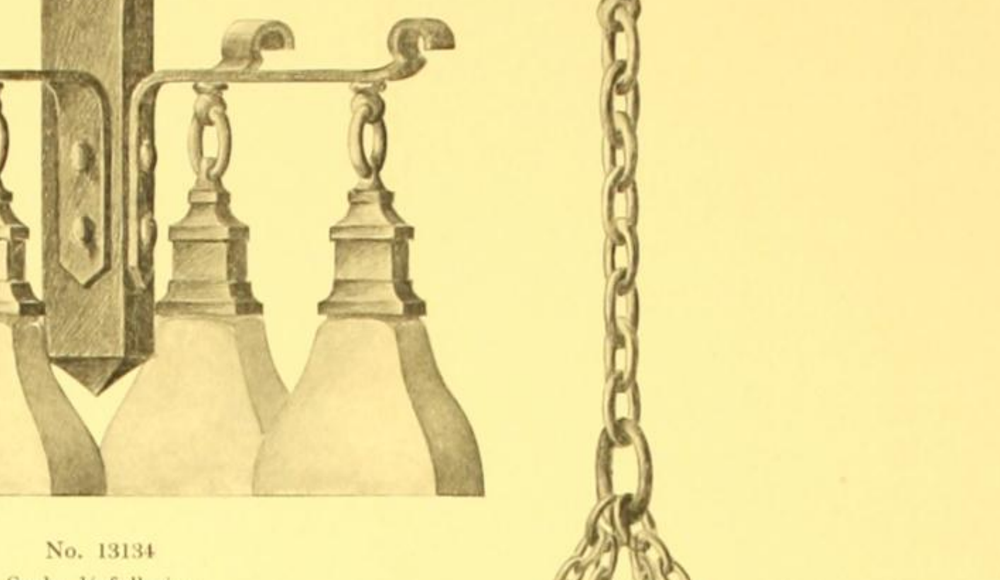


No. 15196
Scale, ¼ full size
Extension, 7 inches

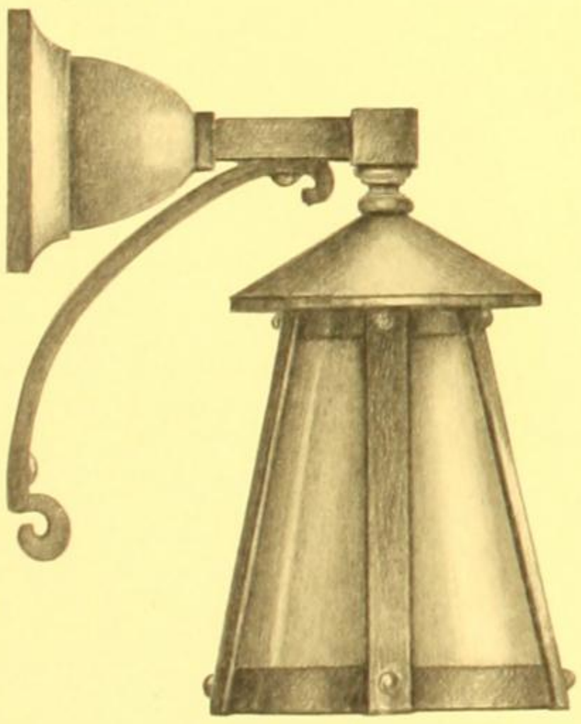


No. 13134
Scale, ⅕ full size
Spread, 13 inches
Length, 15 inches

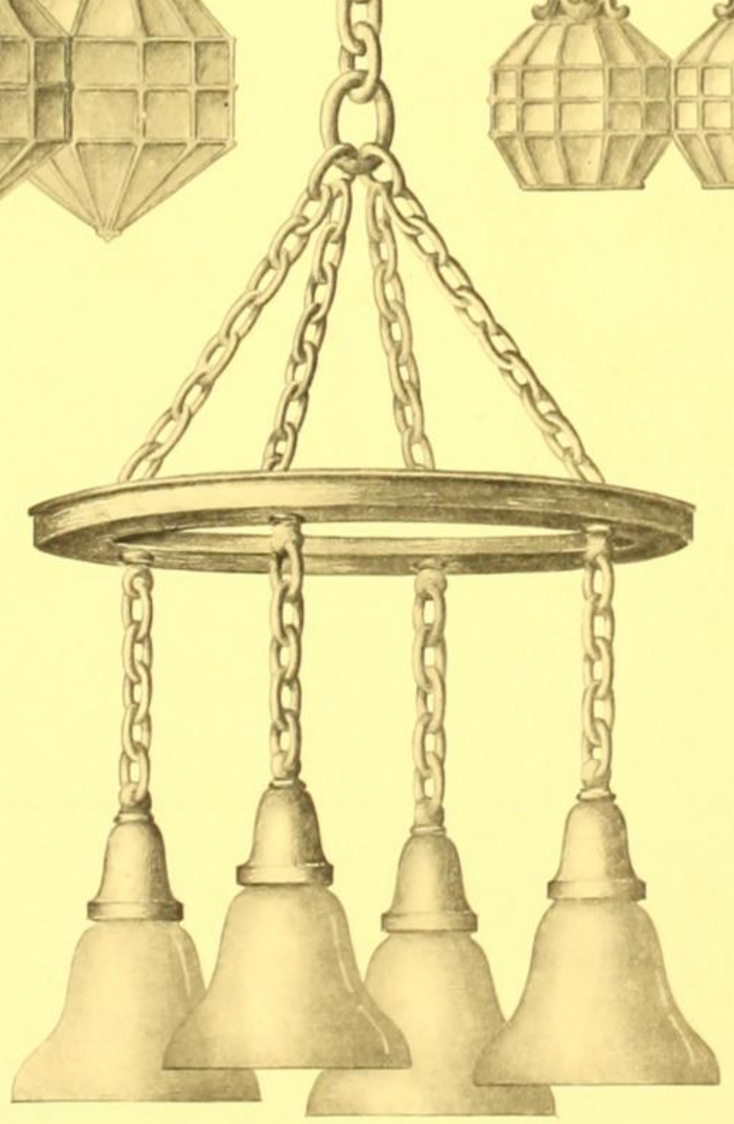
No. 10056
Scale, ⅕ full size
Spread, 16½ inches
Length, 38 inches



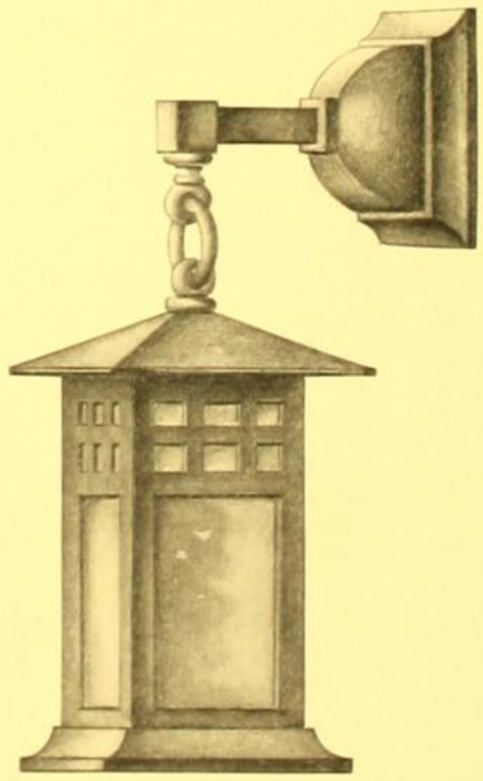
No. 10057
Scale, ⅕ full size
Spread, 13 inches
Length, 38 inches



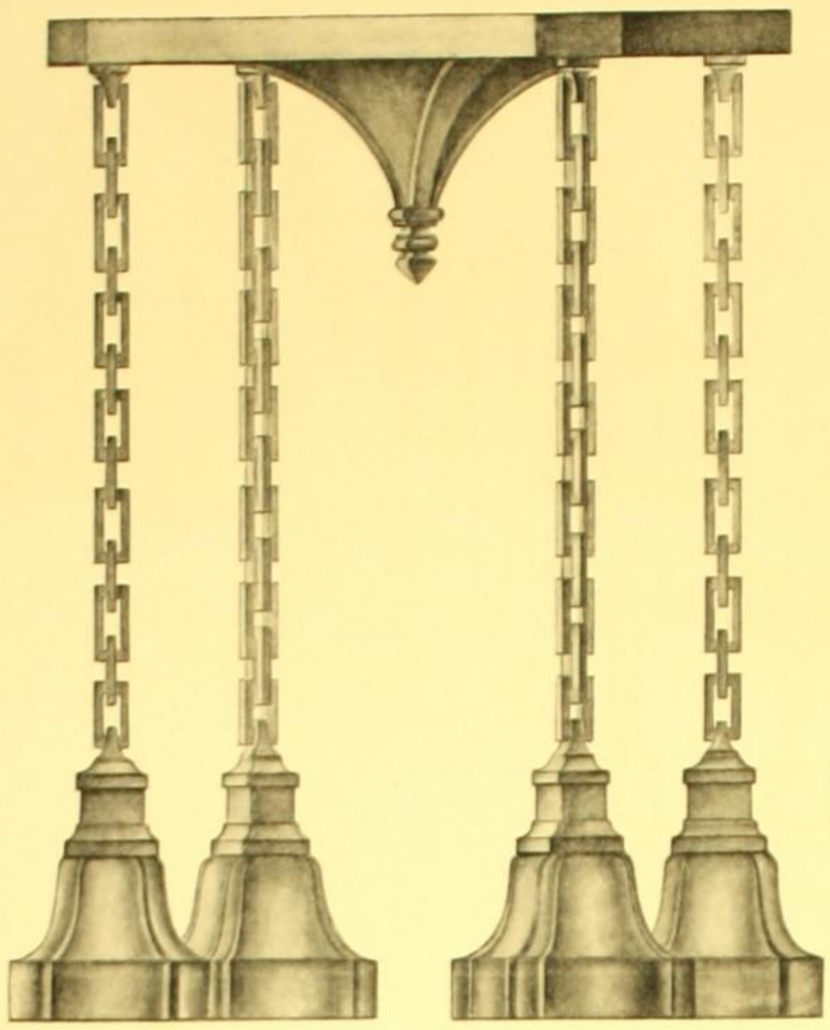
No. 15198
Scale, ¼ full size
Extension, 7 inches



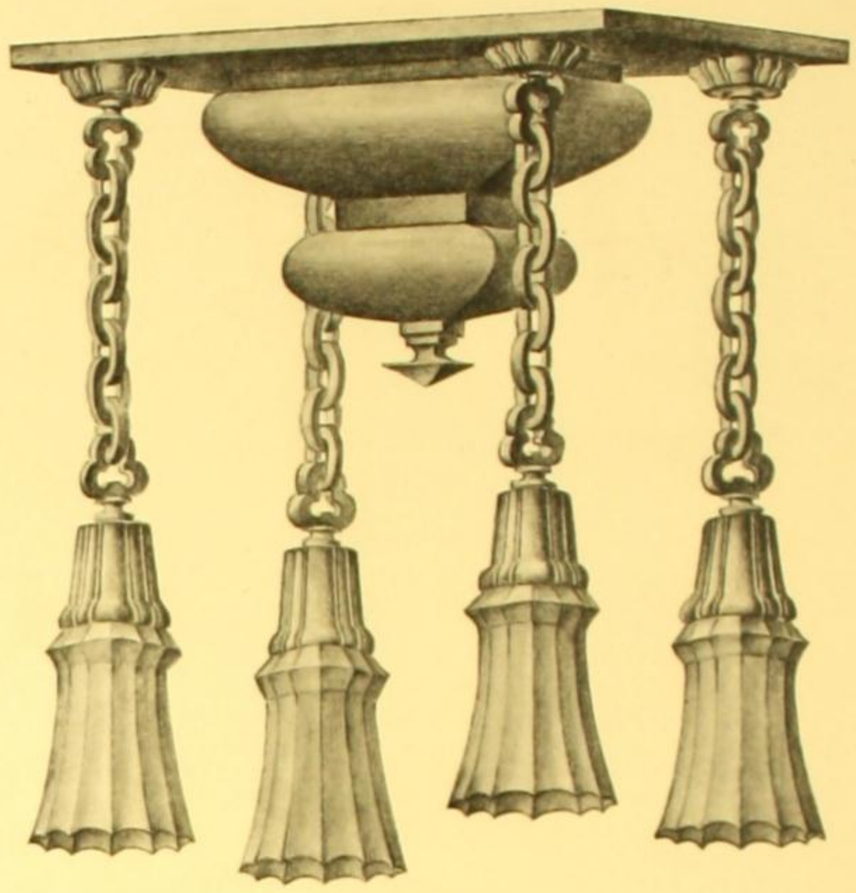
No. 10058
Scale, ⅕ full size
Spread, 11½ inches
Length, 33 inches



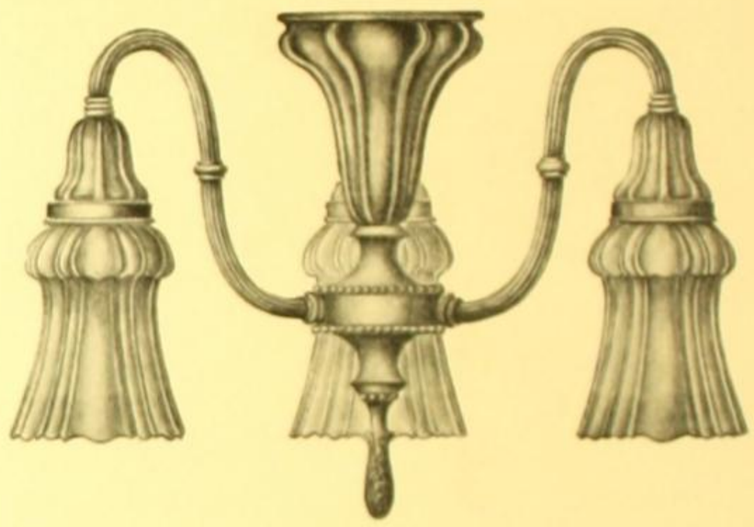
No. 15197-S
Scale, ¼ full size
Extension, 5½ inches



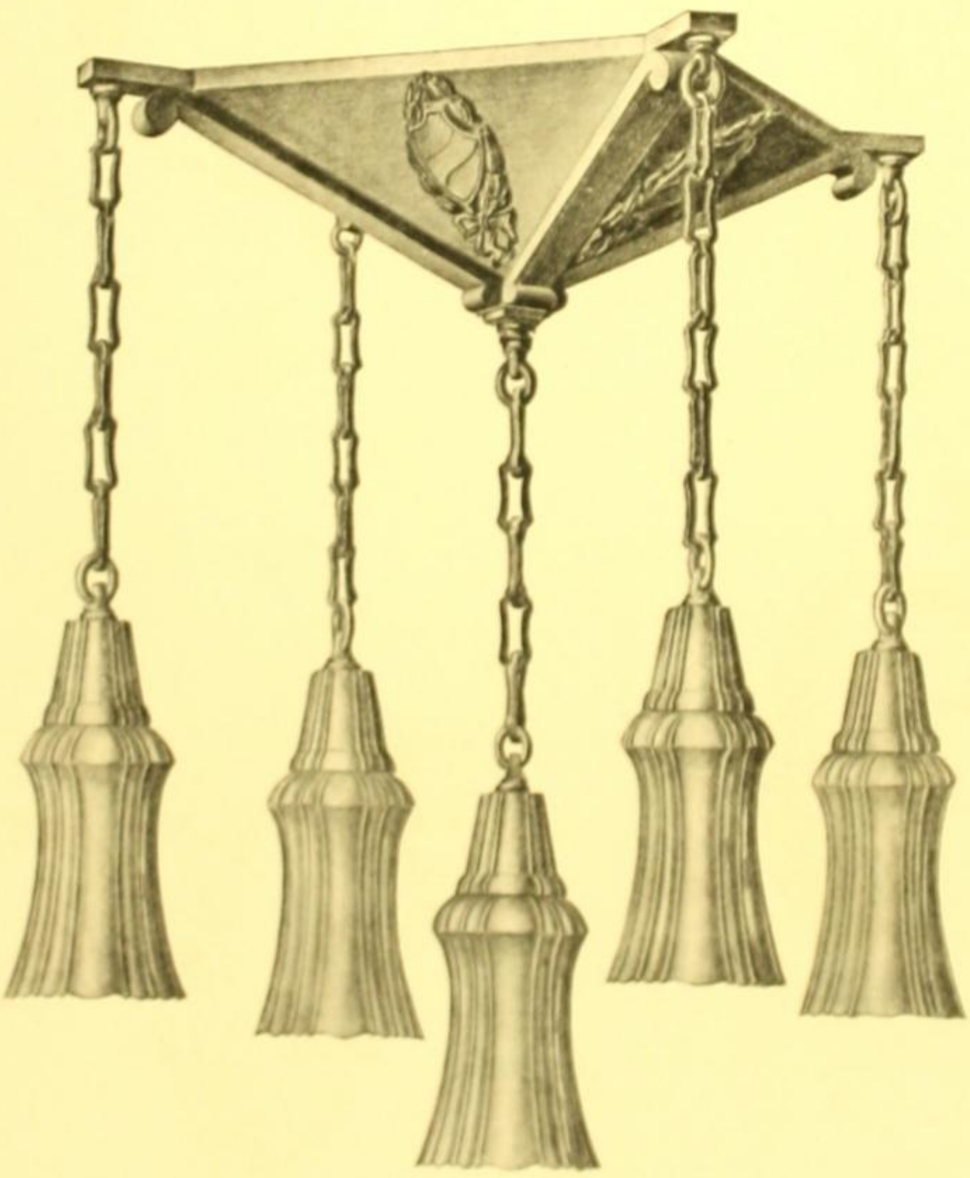
No. 13128-S
Scale, ⅕ full size
Ceiling Plate, 14½ inches square
Length, 24 inches



No. 13129-S
Scale, ⅕ full size
Ceiling Plate, 13½ inches square
Length, 20 inches

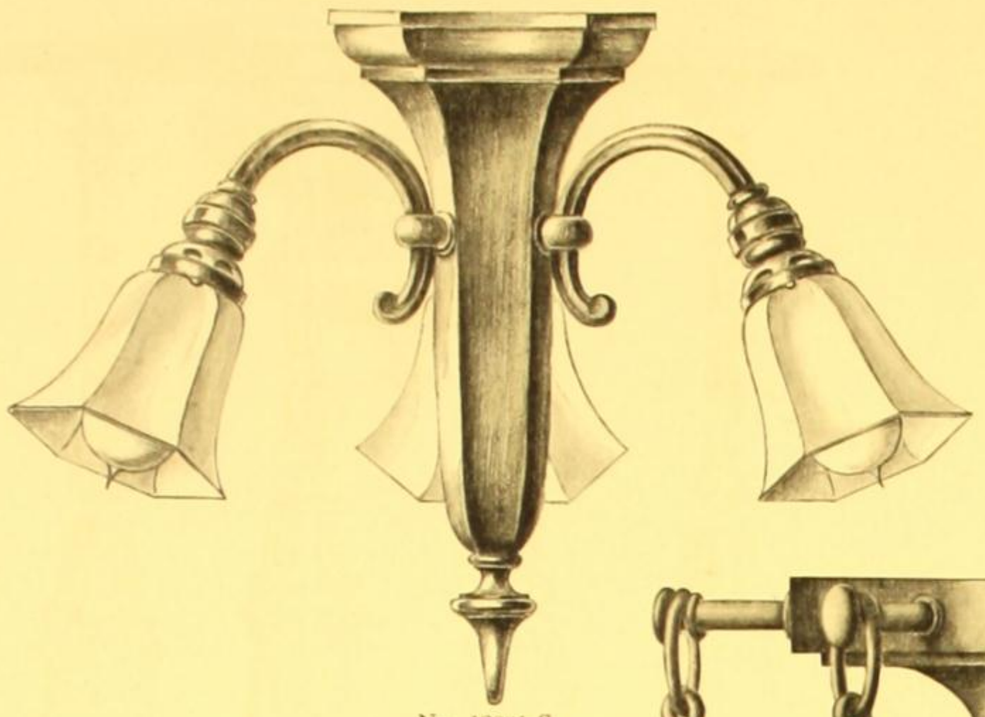


No. 13131-S
Scale, ⅛ full size
Spread, 14½ inches
Length, 11½ inches

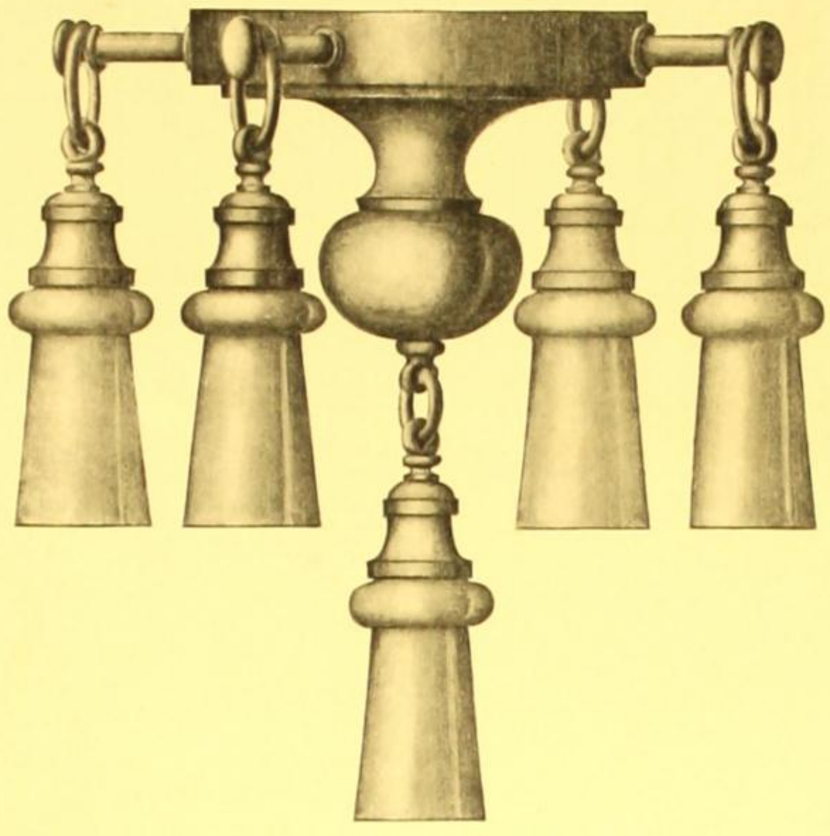


No. 13130-S
Scale, ⅛ full size
Ceiling Plate, 14 inches square
Length, 26 inches

No. 13132-S
Scale, ⅛ full size
Spread, 15 inches
Length, 18 inches

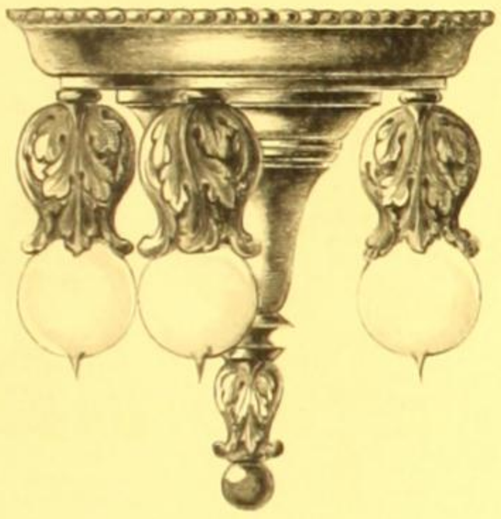


No. 13001-S
Scale, ¼ full size
Spread, 11 inches
Length, 14 inches

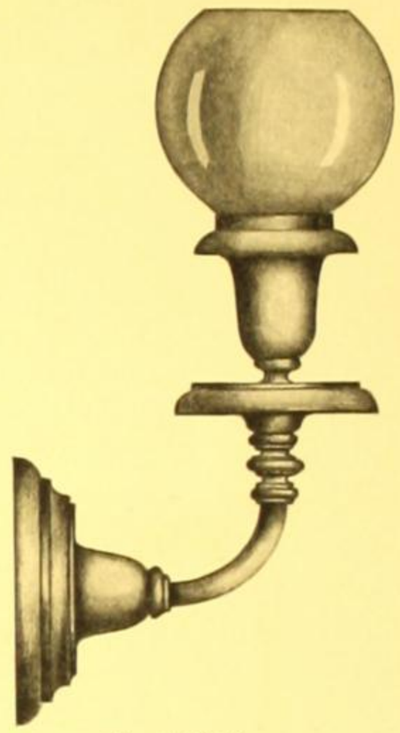


No. 13126-S
Scale, ⅛ full size
Spread, 16 inches
Length, 19 inches

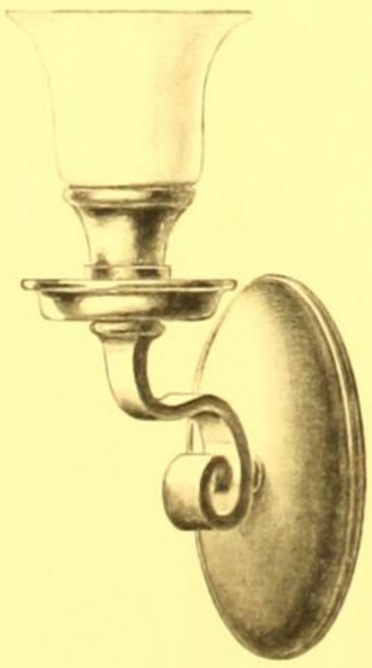
No. 13127-S
Scale, ⅛ full size
Spread, 12 inches
Length, 12½ inches



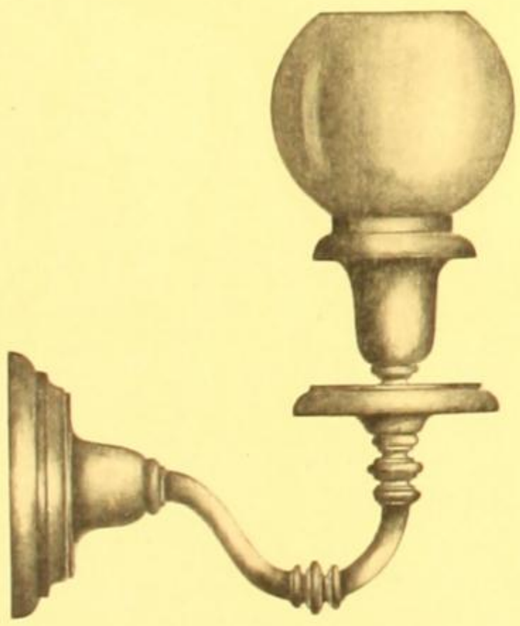
No. 13004-S
Scale, ¼ full size
Diameter Ceiling Plate, 9 inches
Length, 9½ inches



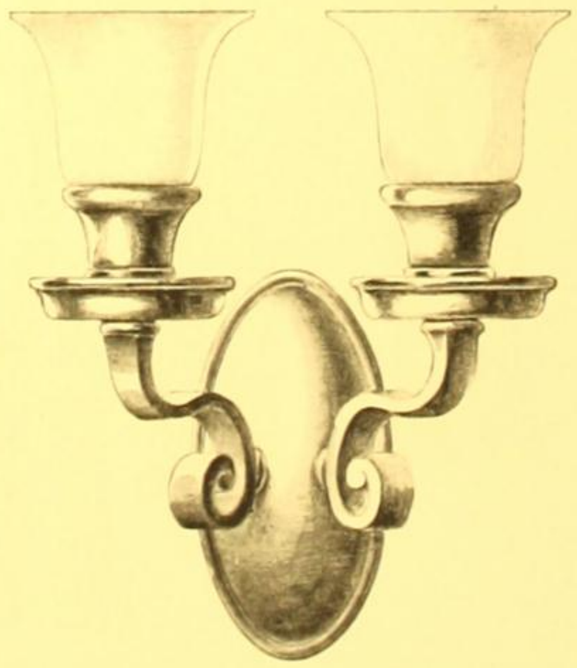
No. 15195-S
Scale, ¼ full size
Extension, 5 inches



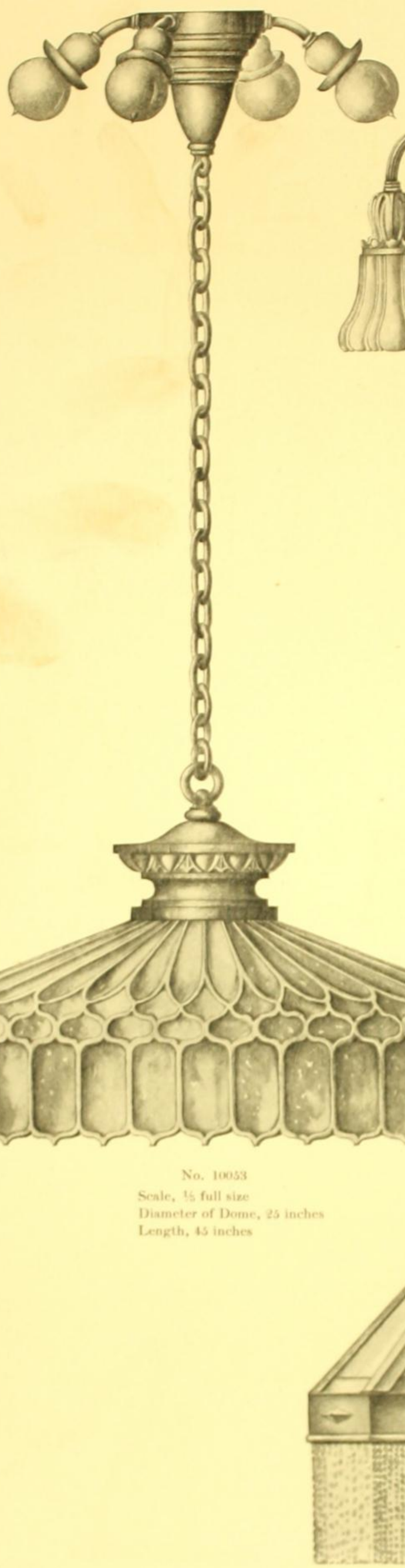
No. 15008-S
Scale, ¼ full size
Extension, 4½ inches



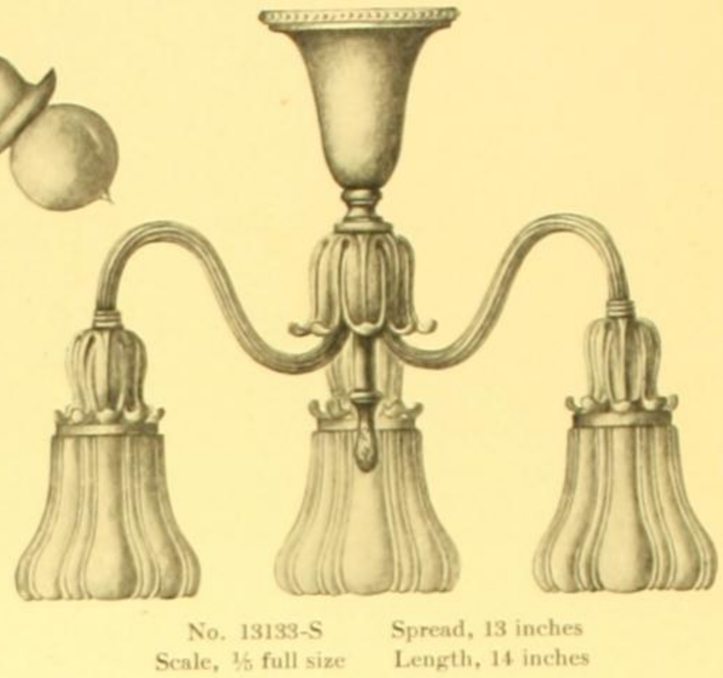
No. 15194-S
Scale, ¼ full size
Extension, 7½ inches



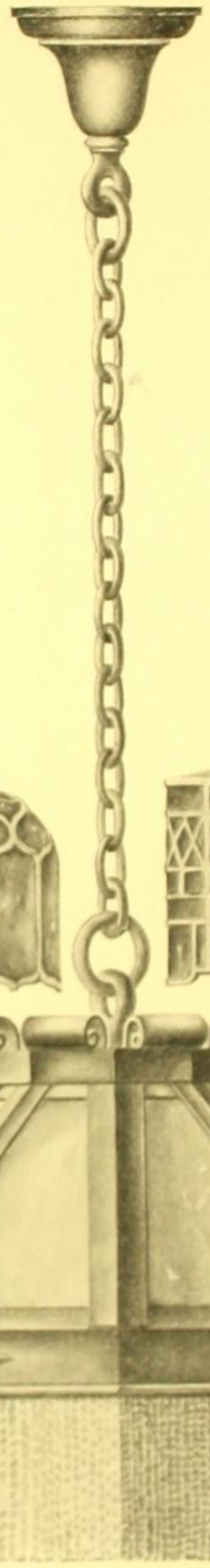
No. 15009-S
Scale, ¼ full size
Spread, 6½ inches



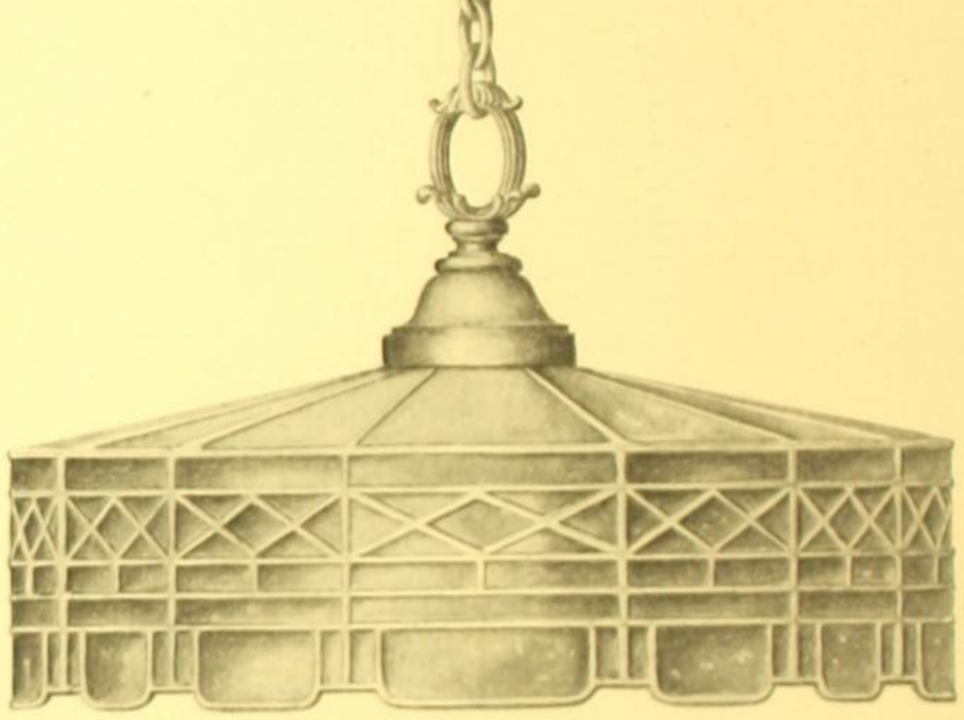
No. 13133-S
Scale, ⅓ full size



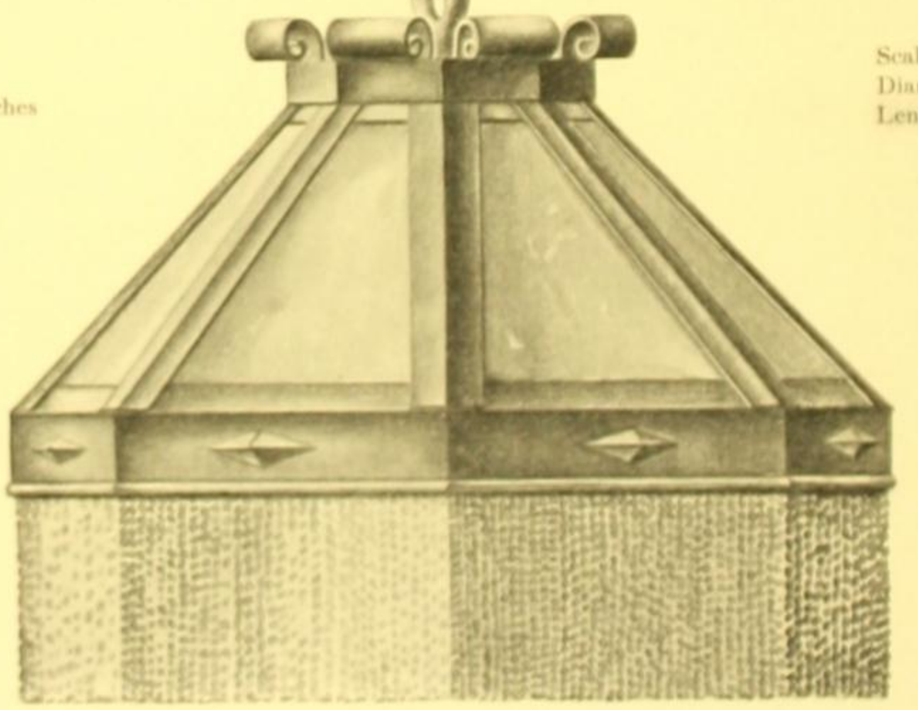
Spread, 13 inches
Length, 14 inches



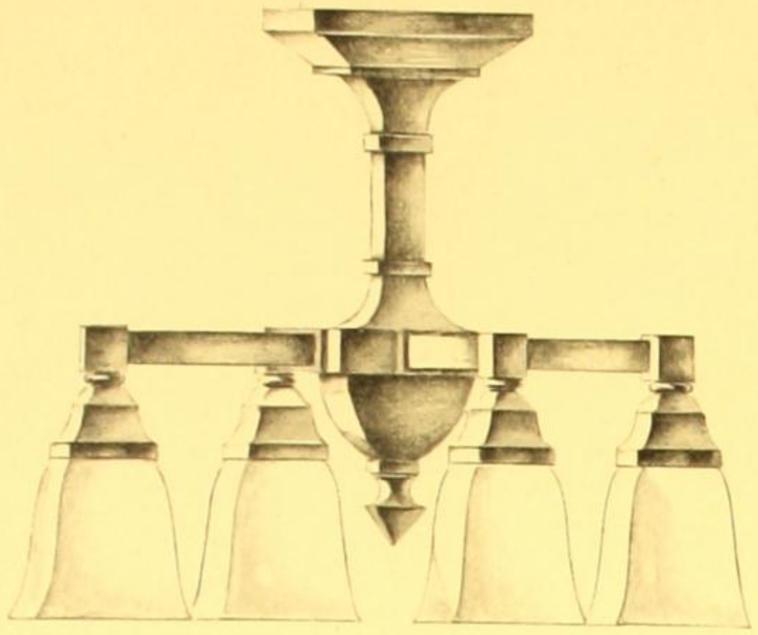
No. 10053
Scale, ⅓ full size
Diameter of Dome, 25 inches
Length, 45 inches



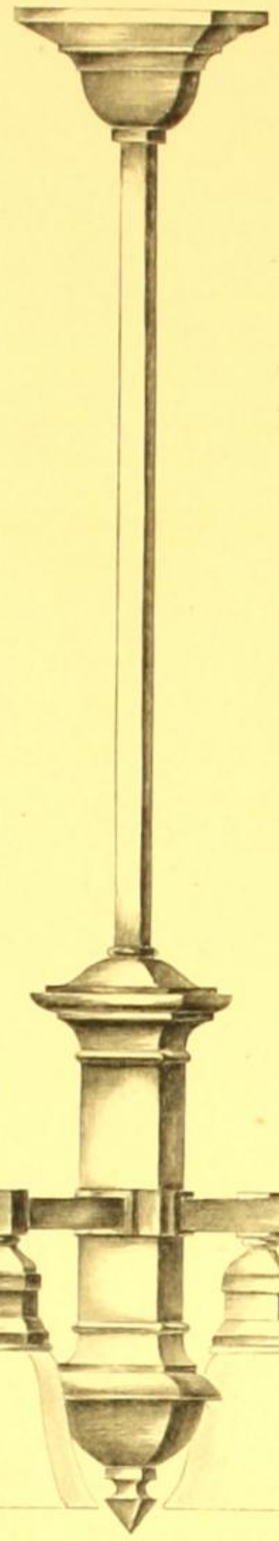
No. 10054
Scale, ⅓ full size
Diameter of Dome, 22 inches
Length, 45 inches



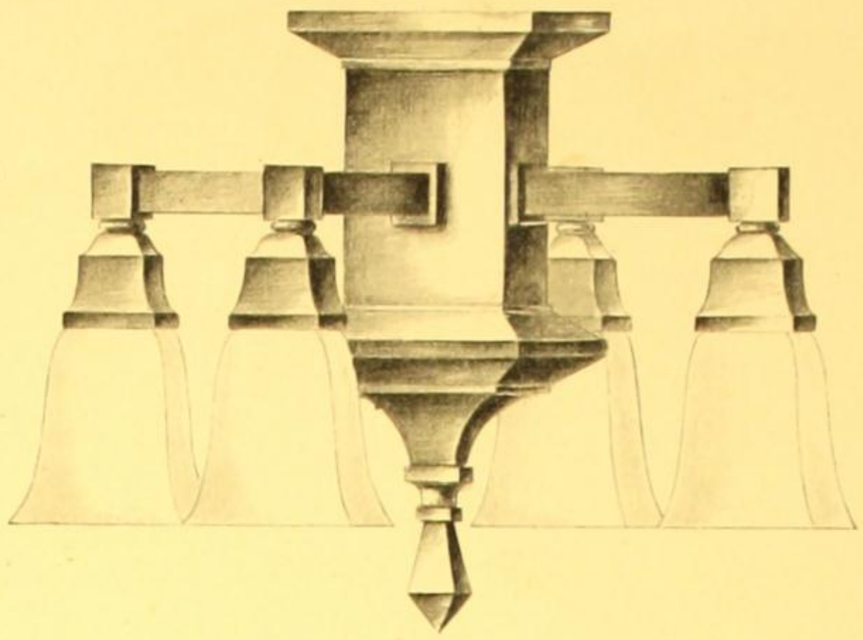
No. 10055-S
Scale, ⅓ full size
Diameter of Dome, 20 inches
Length, 45 inches



No. 13009-S
Scale, ⅕ full size
Spread, 14 inches
Length, 15 inches

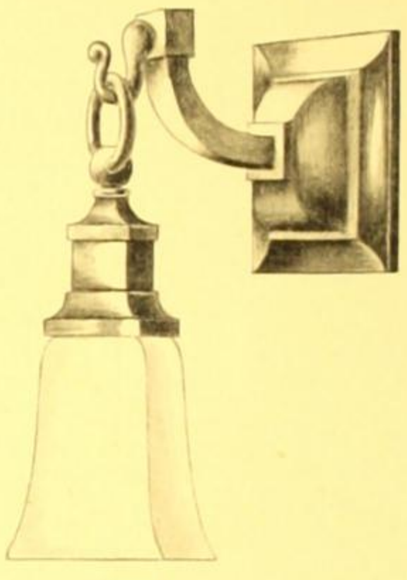


No. 10018
Scale, ⅕ full size
Spread, 12½ inches
Length, 36 inches

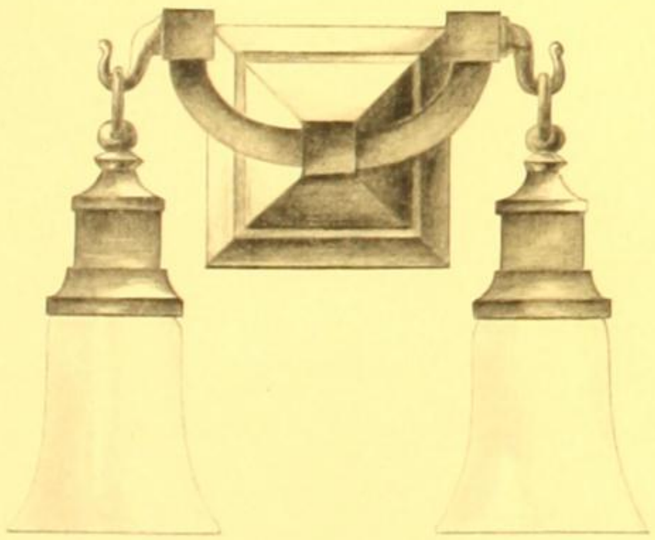


No. 13007-S
Scale, ¼ full size
Spread, 13 inches
Length, 12 inches

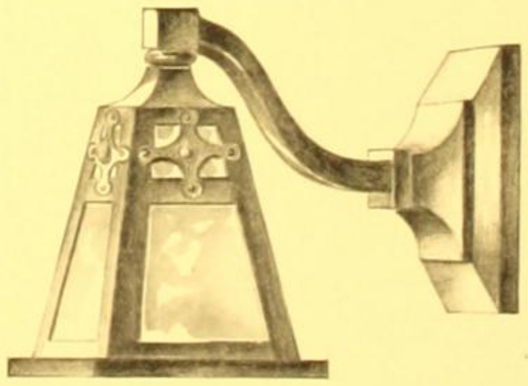
No. 13016-S
Scale, ¼ full size
Length, 13 inches



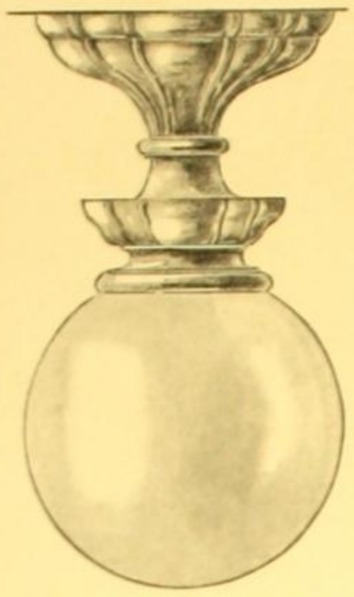
No. 15012-S
Scale, ¼ full size
Extension, 7 inches



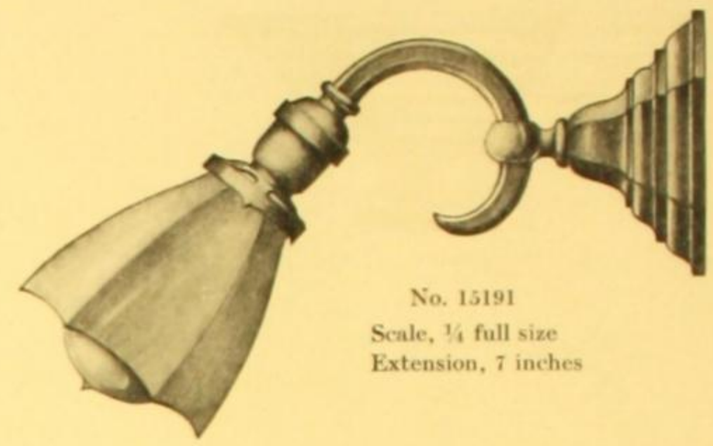
No. 15013-S
Scale, ¼ full size
Spread, 8 inches



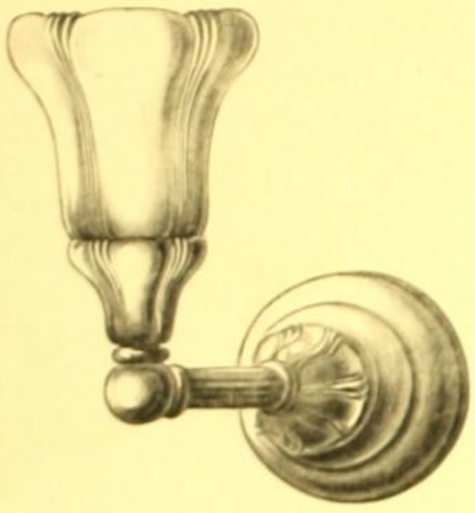
No. 15017
Scale, ¼ full size
Extension, 7 inches



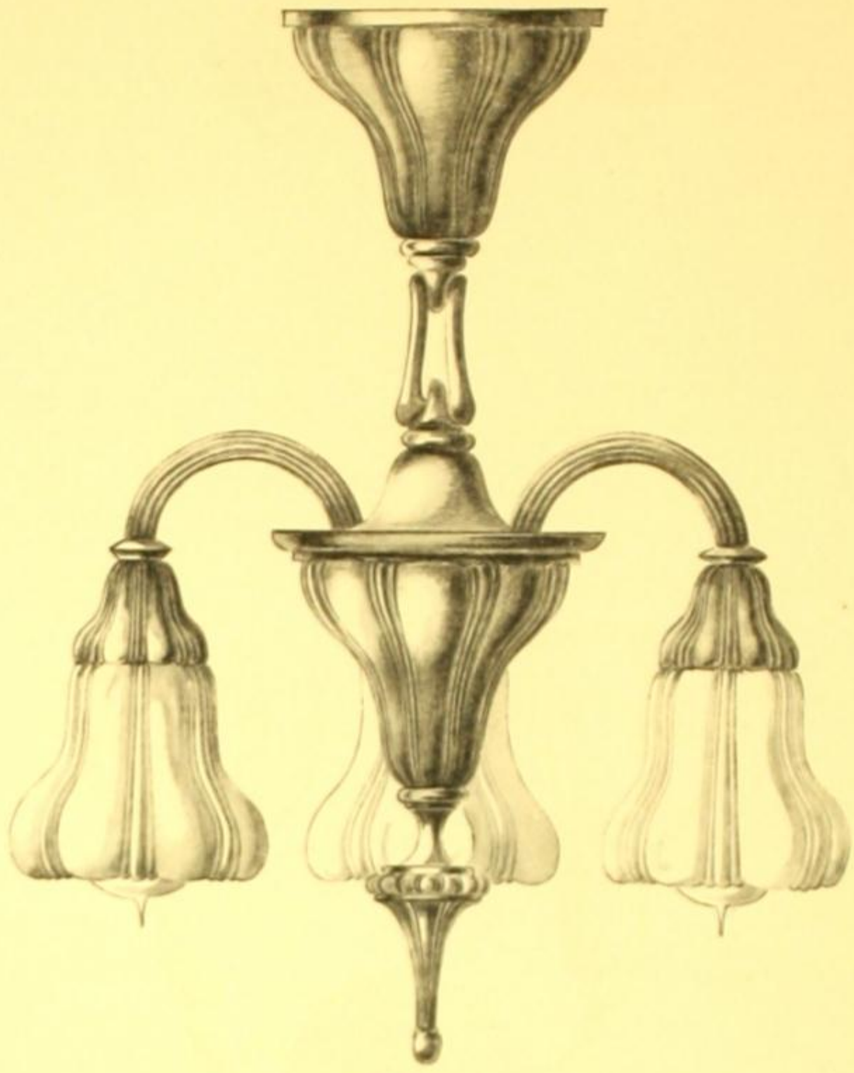
No. 13121
Scale, ¼ full size
Diameter Ceiling Plate, 6 inches
Length, 11 inches



No. 15191
Scale, ¼ full size
Extension, 7 inches



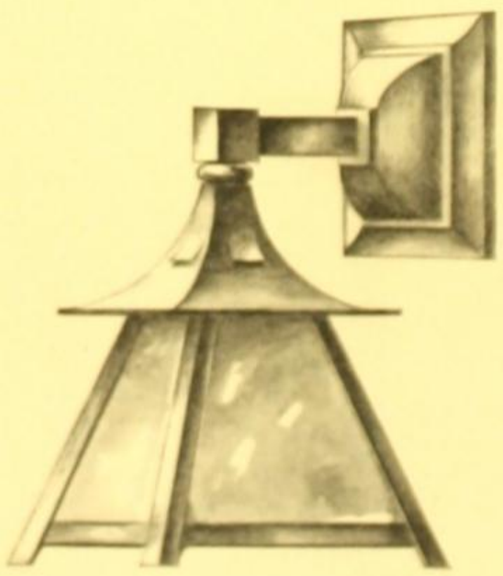
No. 15027-S
Scale, ¼ full size
Extension, 5½ inches



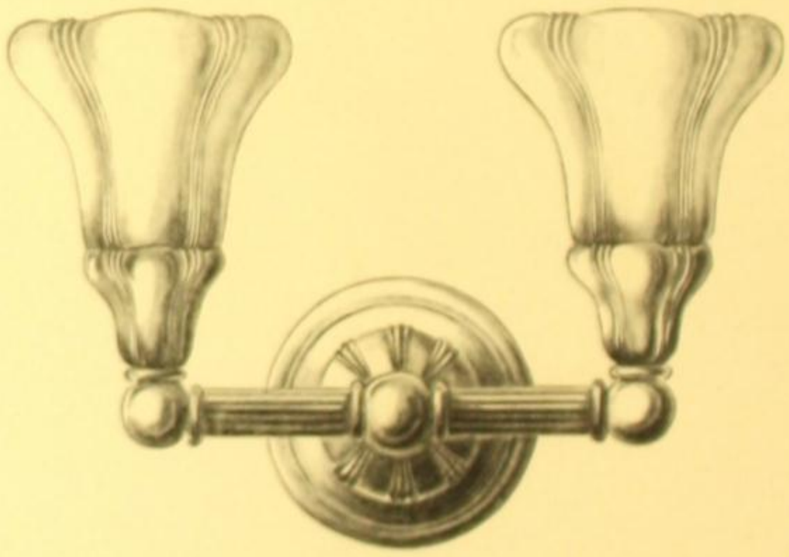
No. 13000-S
Scale, ¼ full size
Spread, 12 inches
Length, 20 inches

No. 13122-S
Scale, ¼ full size
Length, 12 inches

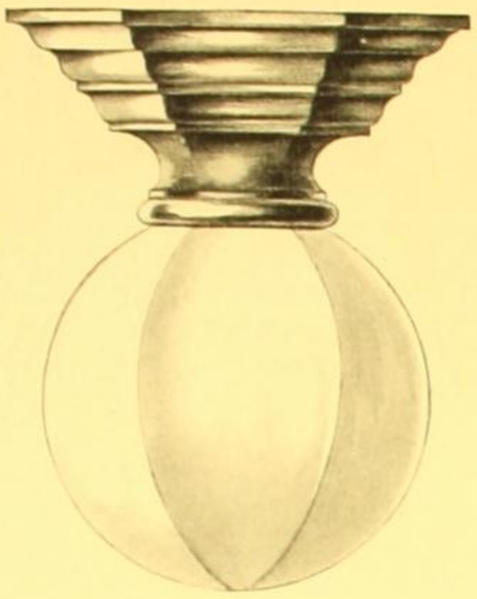
No. 13123
Scale, ¼ full size
Diameter Ceiling Plate, 5 inches
Length, 8 inches



No. 15010
Scale, ¼ full size
Extension, 6 inches

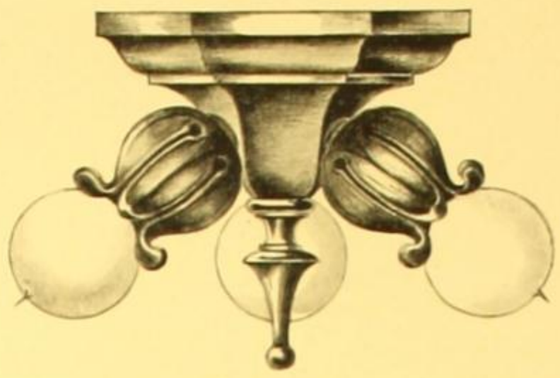


No. 15028-S
Scale, ¼ full size
Spread, 9 inches

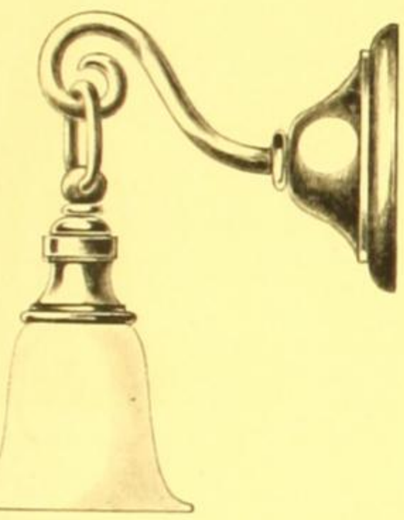


No. 13006-S
Scale, ¼ full size
Diameter Ceiling Plate, 8½ inches
Length, 11 inches

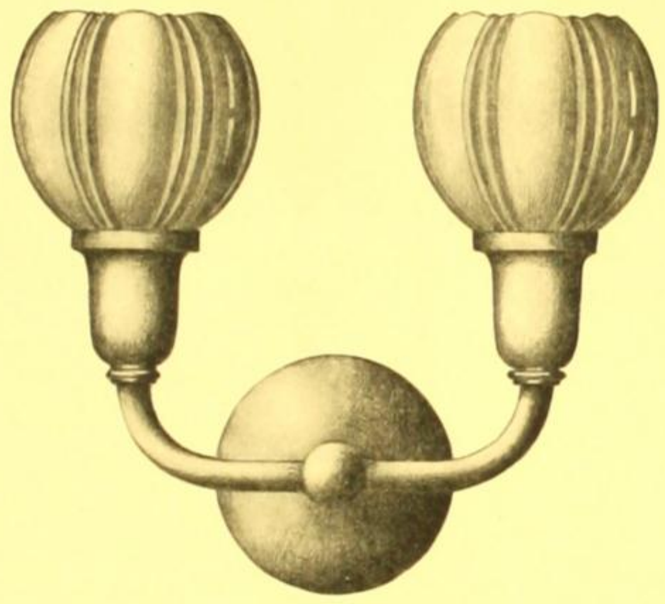
No. 13020-S
Scale, ¼ full size
Diameter Ceiling Plate, 7 inches
Length, 6 inches



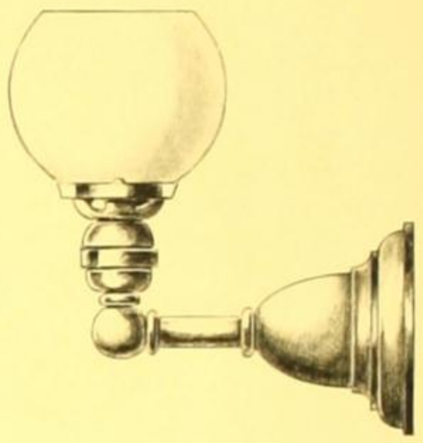
No. 13003-S
Scale, ¼ full size
Diameter Ceiling Plate, 7 inches
Length, 7 inches



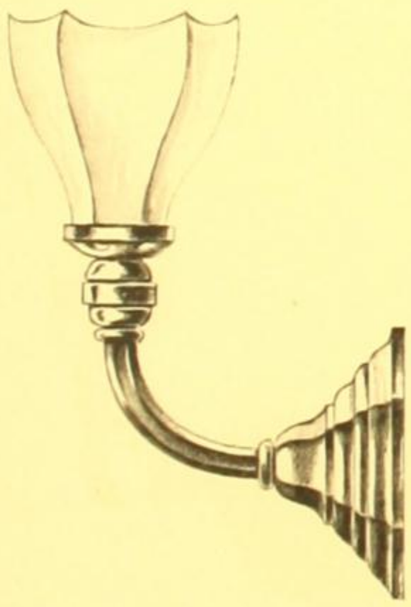
No. 15016
Scale, ¼ full size
Extension, 6 inches



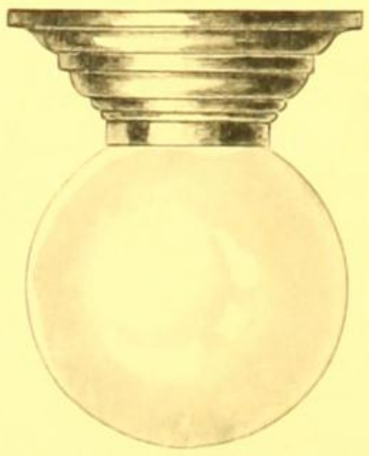
No. 15031-S
Scale, ¼ full size
Spread, 8 inches



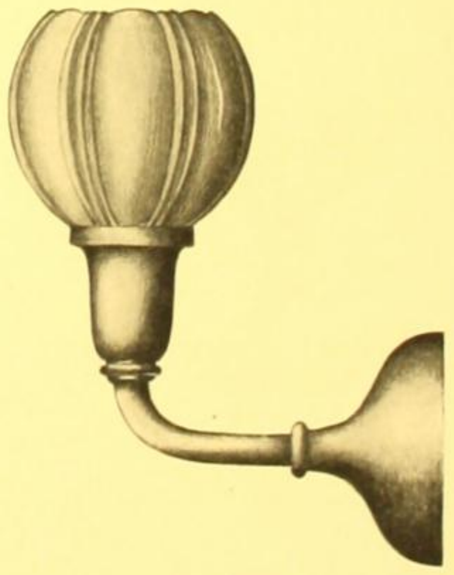
No. 15019-S
Scale, ¼ full size
Extension, 5½ inches



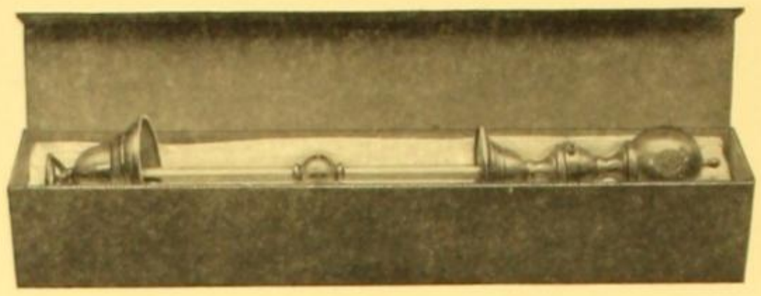
No. 15005-S
Scale, ¼ full size
Extension, 5½ inches



No. 13018-S
Scale, ¼ full size
Diameter Ceiling Plate, 6 inches
Length, 8 inches



No. 15032-S
Scale, ¼ full size
Extension, 6 inches



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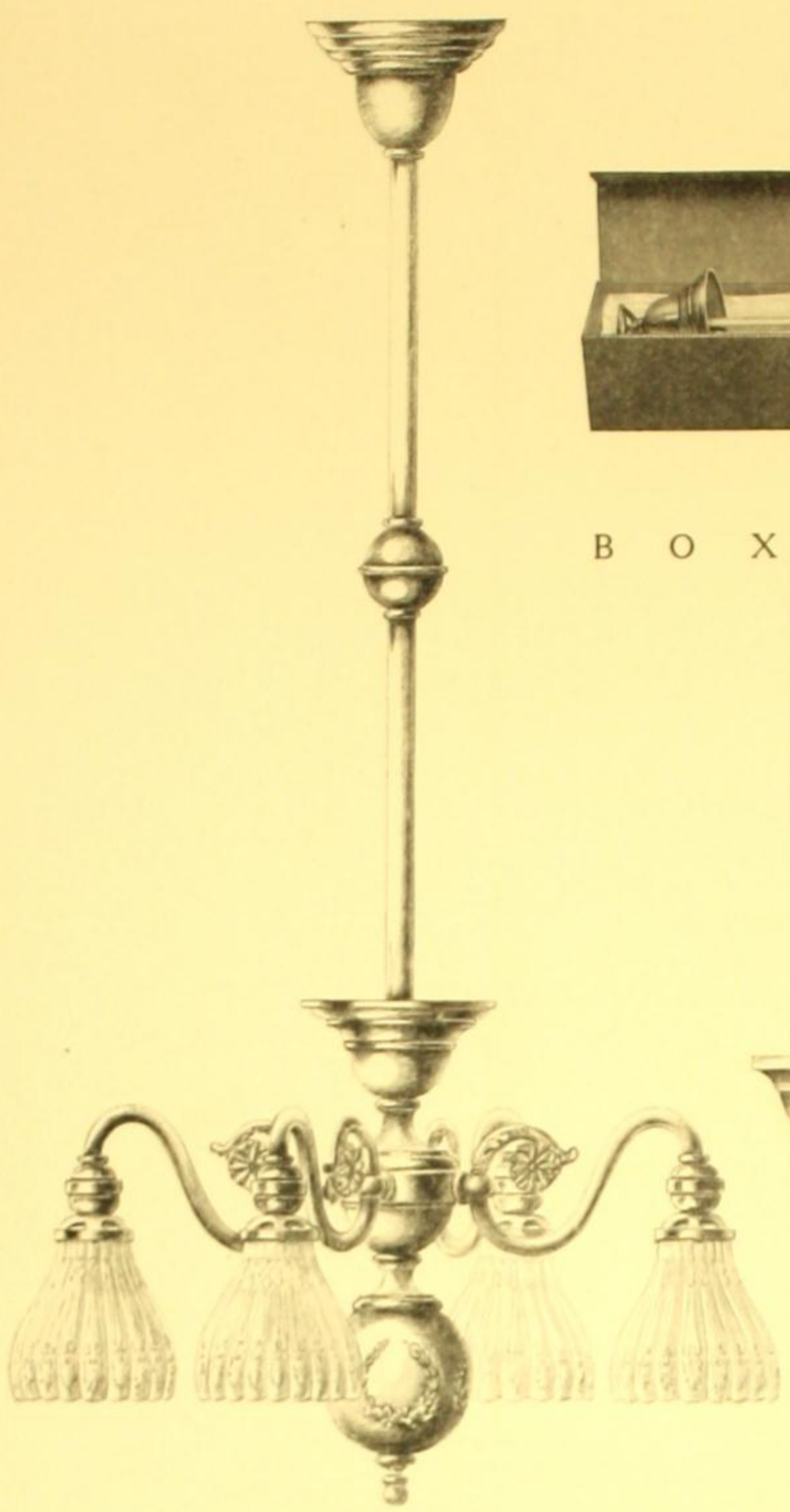
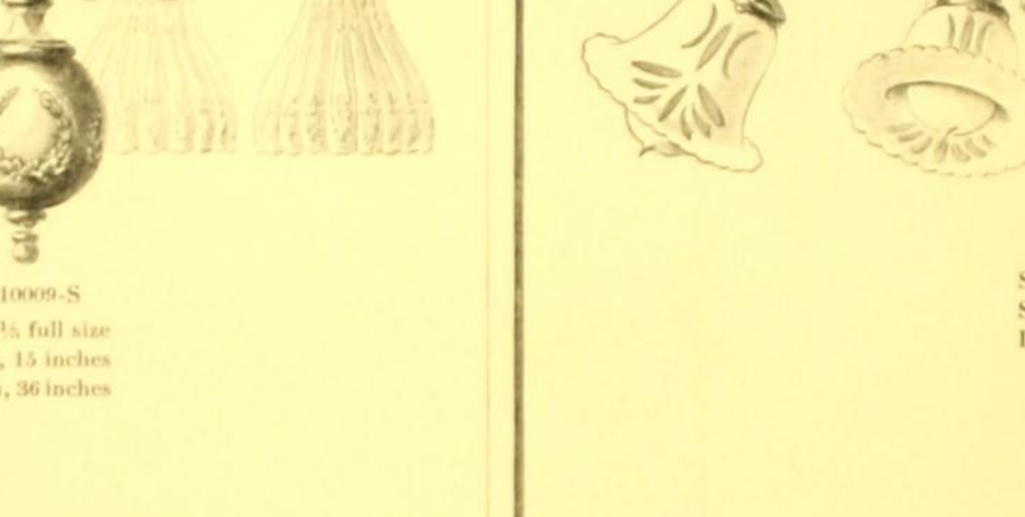
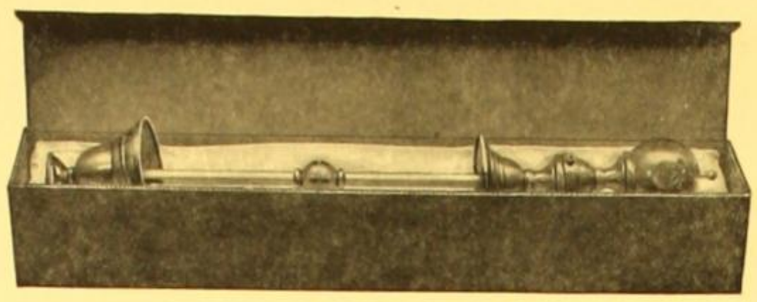


No. 10009-S
Scale, ½ full size
Spread, 15 inches
Length, 36 inches

No. 10000-S
Scale, ½ full size
Spread, 12 inches
Length, 36 inches



No. 10008-S
Scale, ½ full size
Spread, 13 inches
Length, 36 inches



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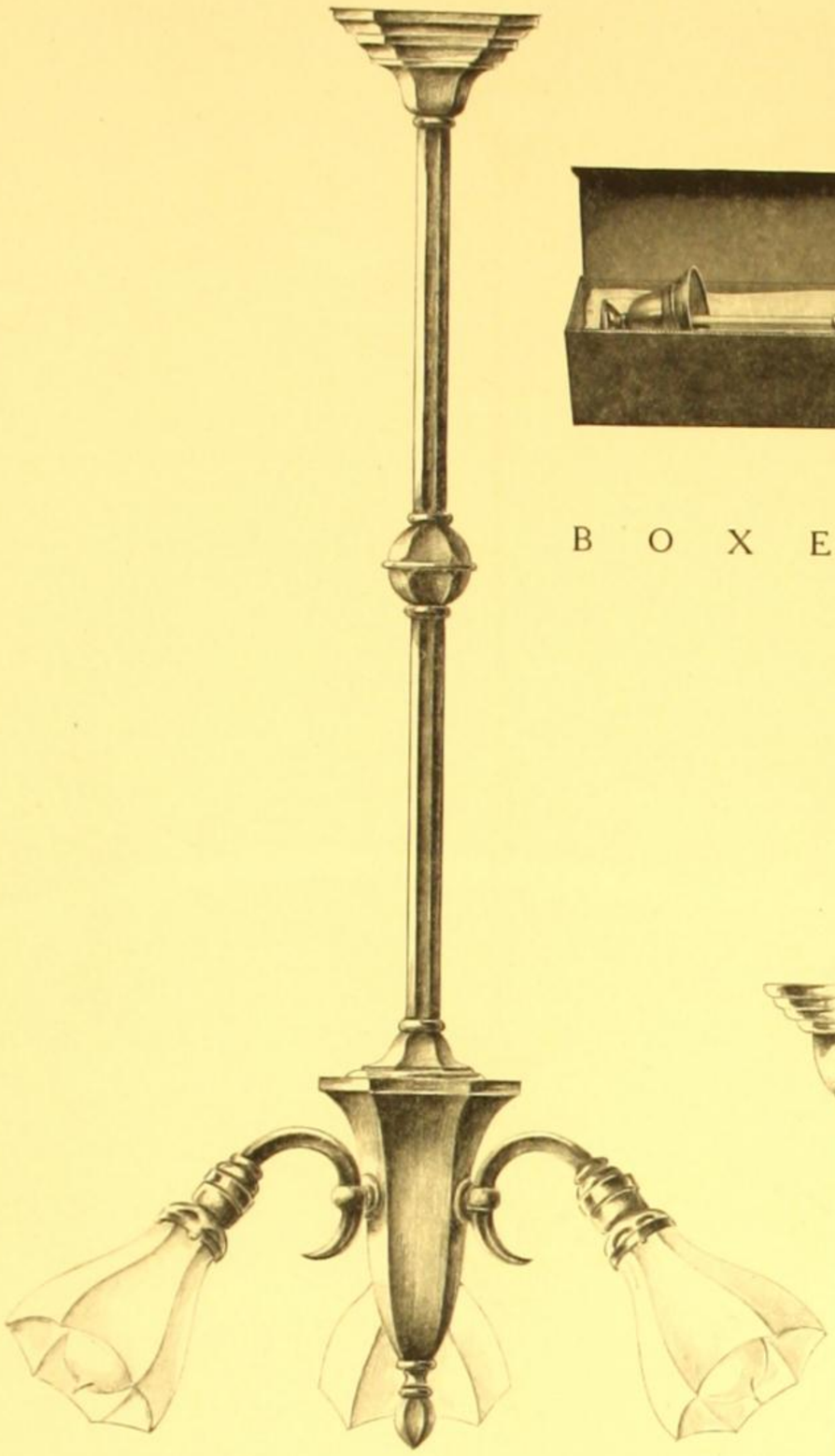
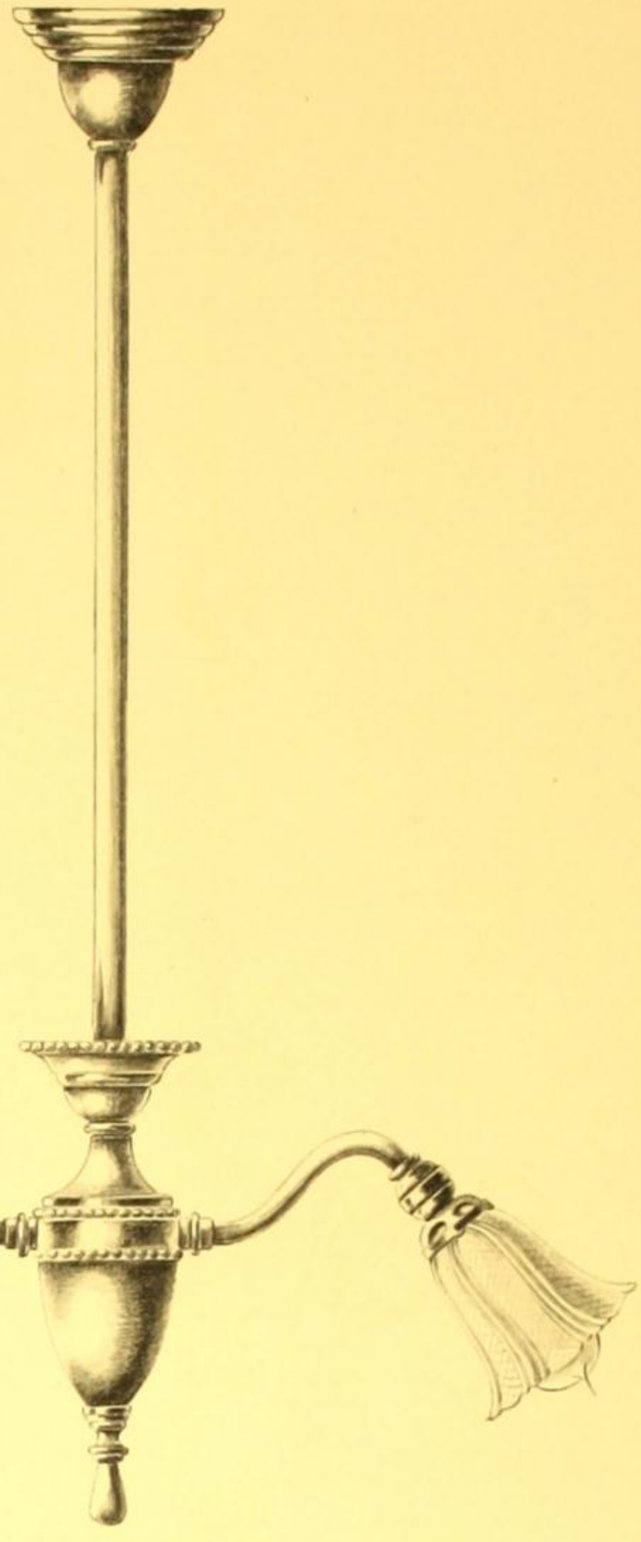


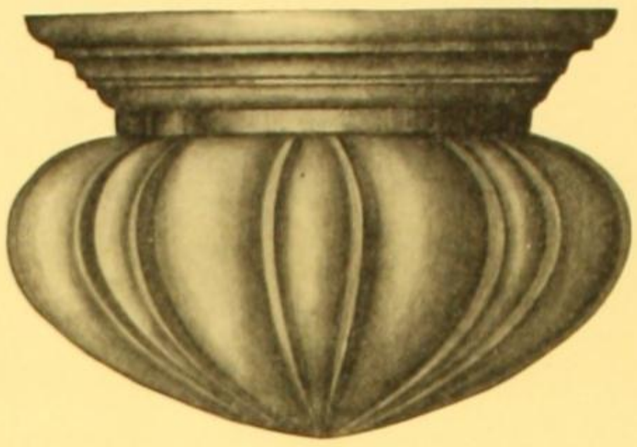
No. 10007-S
Scale, ⅕ full size
Spread, 9 inches
Length, 36 inches



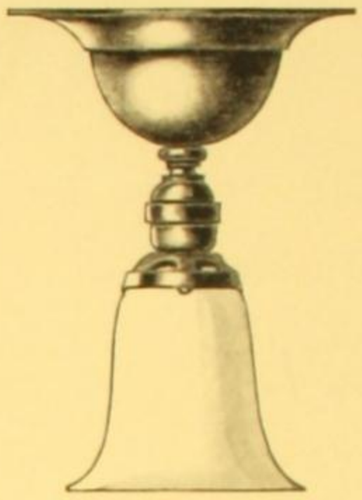
No. 10001-S
Scale, ⅕ full size
Spread, 14 inches
Length, 36 inches

No. 10003-S
Scale, ⅕ full size
Spread, 12 inches
Length, 36 inches

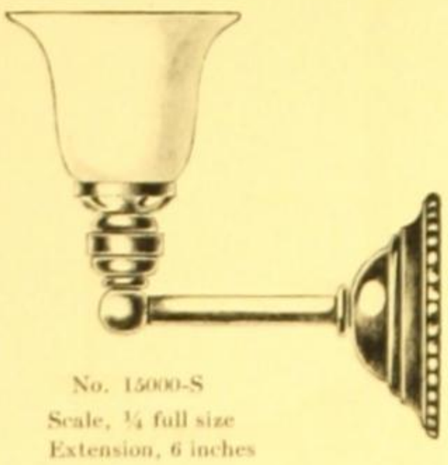
No. 13010-S
Scale, ¼ full size
Diameter Ceiling Plate, 4 inches
Length, 8 inches



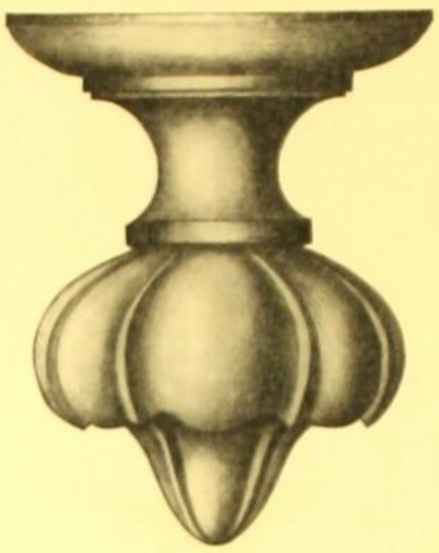
No. 13124-S
Scale, ¼ full size
Diameter Ceiling Plate, 11 inches
Length, 8 inches



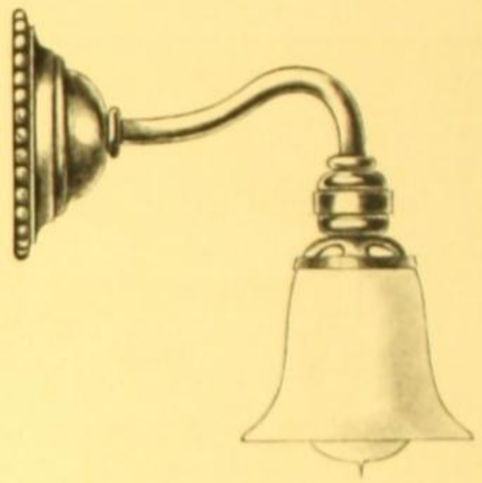
No. 13012-S
Scale, ¼ full size
Diameter Ceiling Plate, 6½ inches
Length, 9 inches



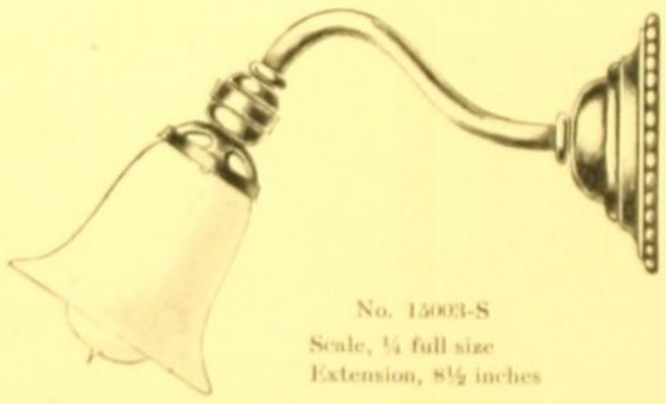
No. 15000-S
Scale, ¼ full size
Extension, 6 inches



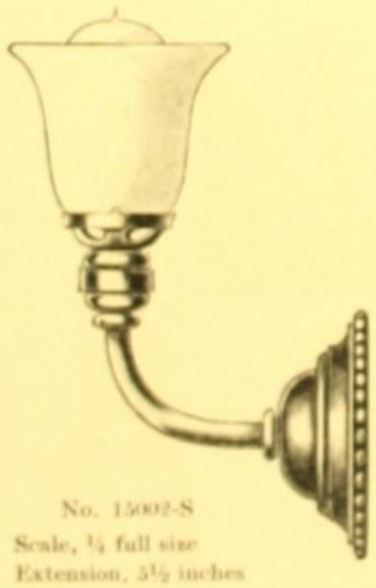
No. 13125-S
Scale, ¼ full size
Diameter Ceiling Plate, 8 inches
Length, 10 inches



No. 15004-S
Scale, ¼ full size
Extension, 6½ inches

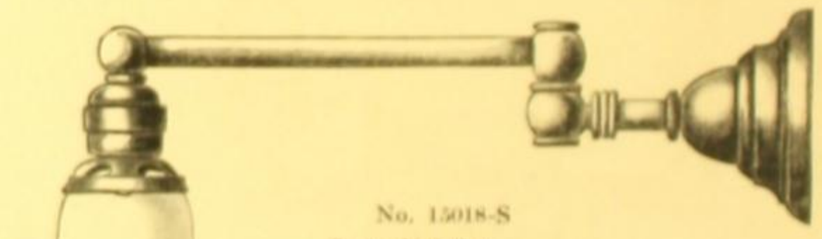


No. 15003-S
Scale, ¼ full size
Extension, 8½ inches

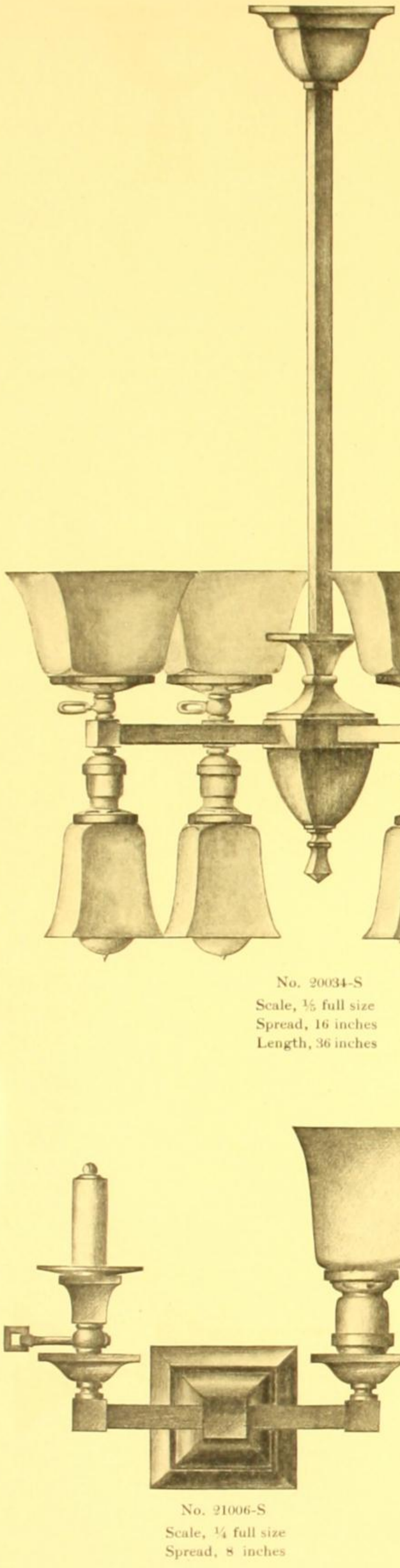


No. 15002-S
Scale, ¼ full size
Extension, 5½ inches

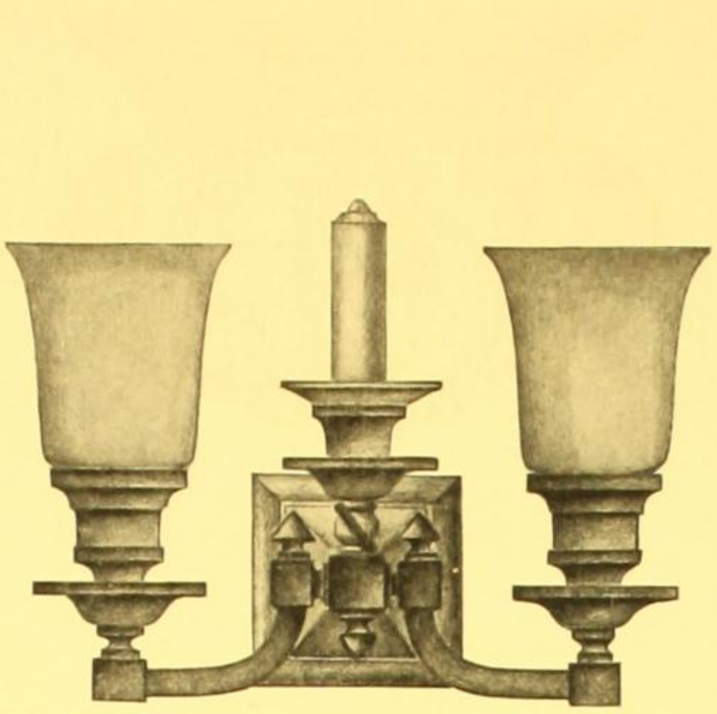
No. 15001-S
Scale, ¼ full size
Extension, 6 inches



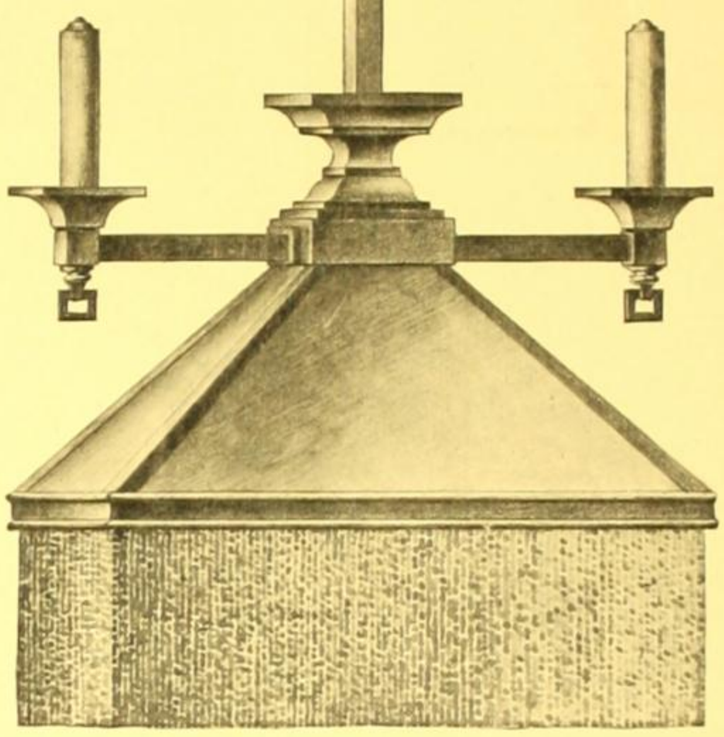
No. 15018-S
Scale, ¼ full size
Extension, 13 inches



No. 20034-S
Scale, ⅕ full size
Spread, 16 inches
Length, 36 inches

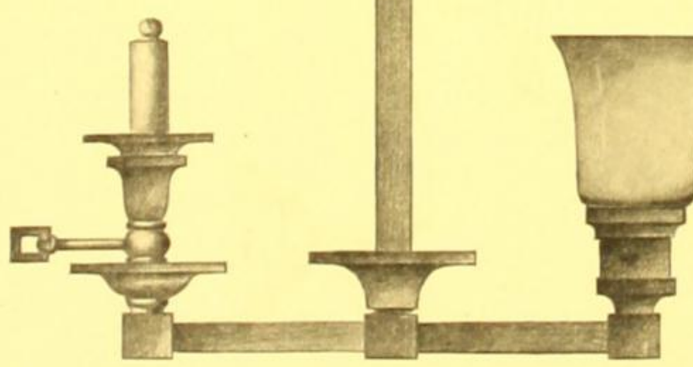


No. 21005
Scale, ¼ full size
Spread, 9 inches

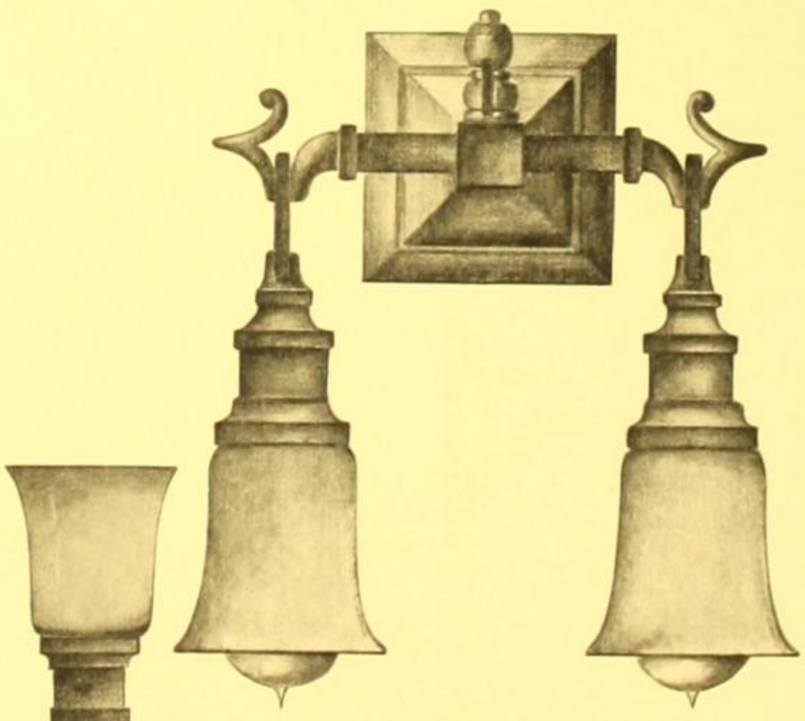


No. 20036-S
Scale, ⅕ full size
Length, 42 inches
Art Glass Dome, 15 inches square, any color

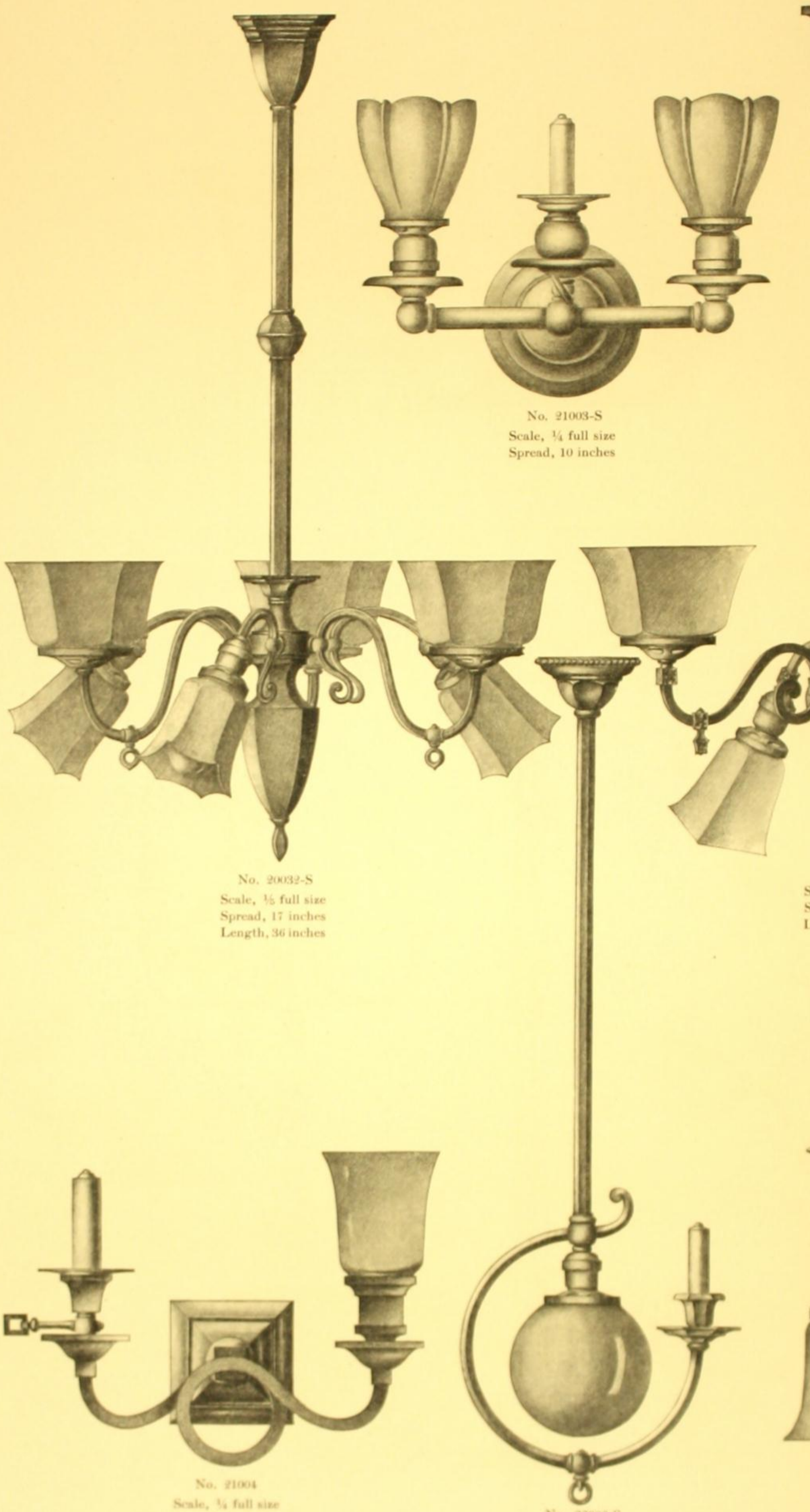
No. 21006-S
Scale, ¼ full size
Spread, 8 inches



No. 22003-S
Scale, ⅕ full size
Spread, 12 inches
Length, 36 inches



No. 21007
Scale, ¼ full size
Spread, 8 inches



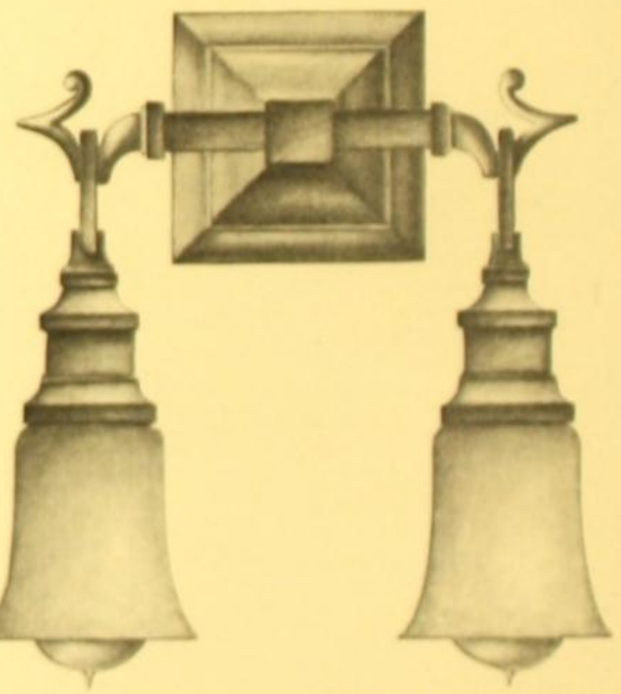
No. 21003-S
Scale, ¼ full size
Spread, 10 inches

No. 20032-S
Scale, ⅛ full size
Spread, 17 inches
Length, 36 inches

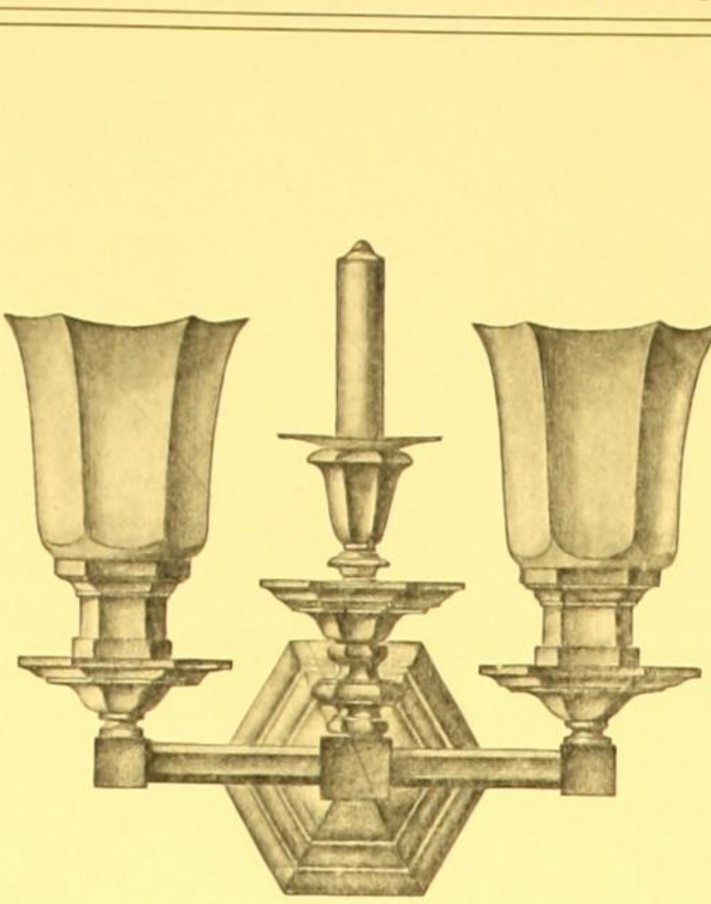
No. 20033-S
Scale, ⅛ full size
Spread, 16 inches
Length, 36 inches

No. 21004
Scale, ¼ full size
Spread, 10 inches

No. 22002-S
Scale, ⅛ full size
Length, 36 inches

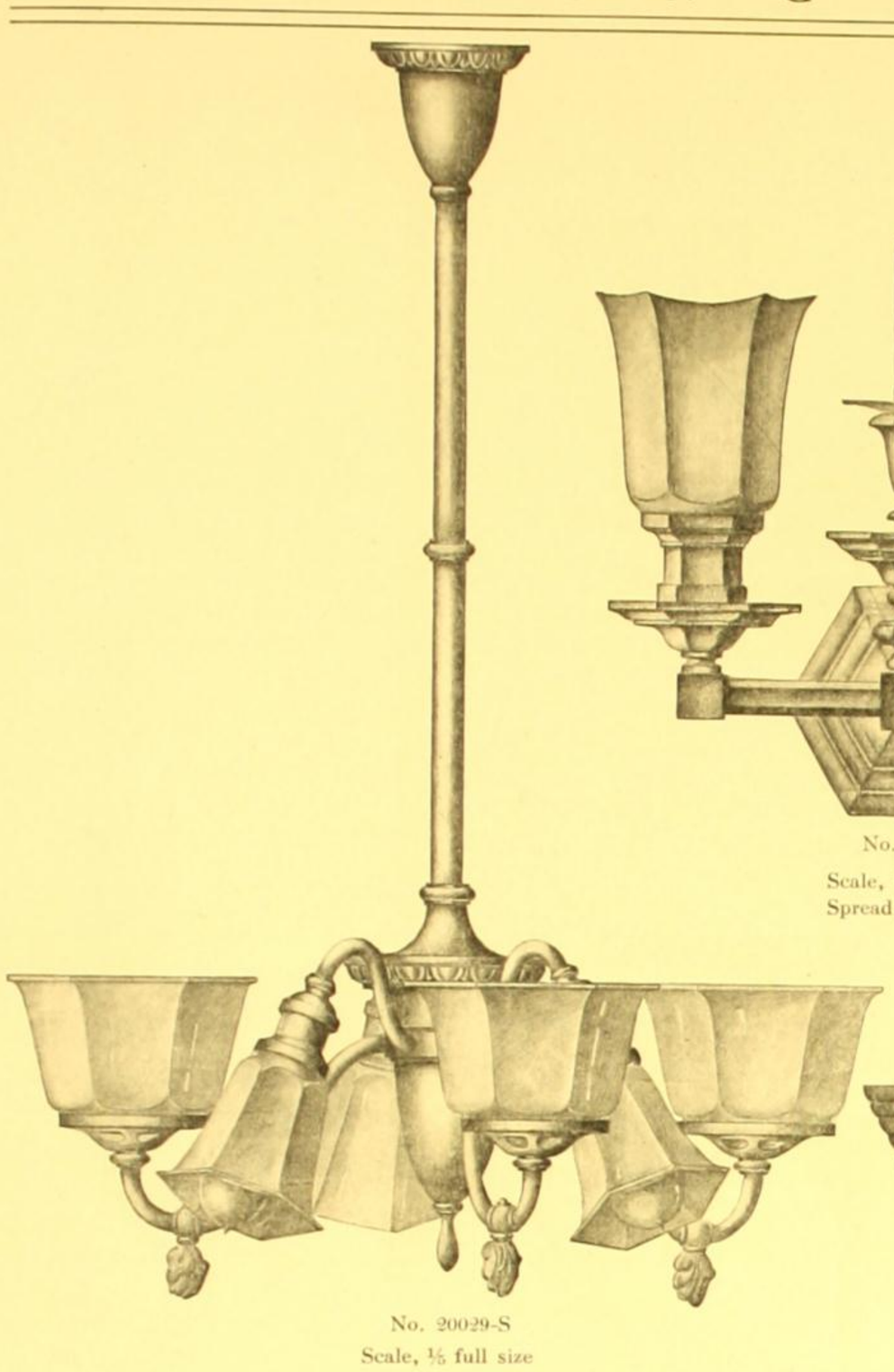


No. 15193-S
Scale, ¼ full size
Spread, 8 inches



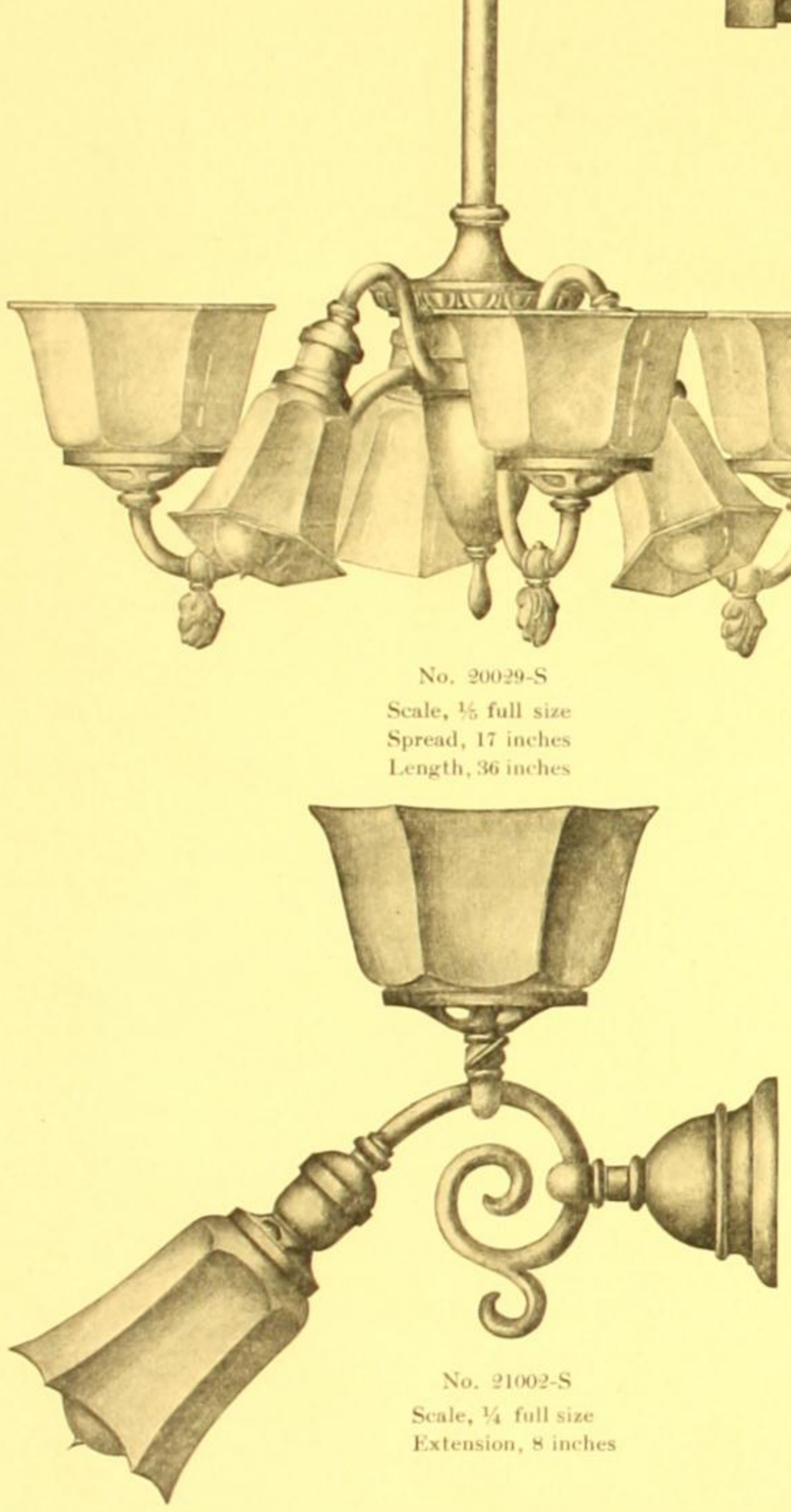
No. 21001

Scale, ¼ full size
Spread, 9 inches



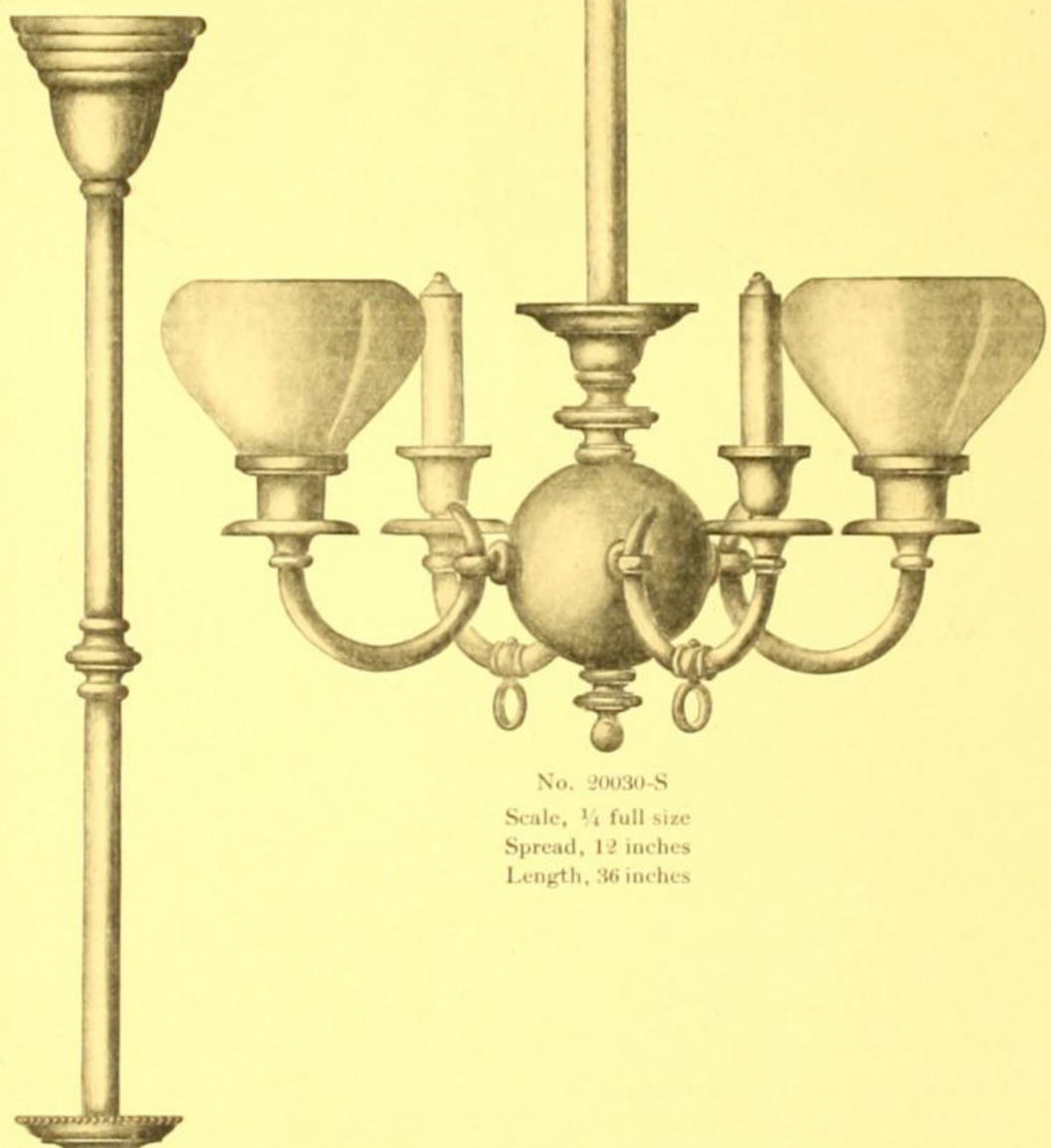
No. 20029-S

Scale, ⅛ full size
Spread, 17 inches
Length, 36 inches



No. 21002-S

Scale, ¼ full size
Extension, 8 inches

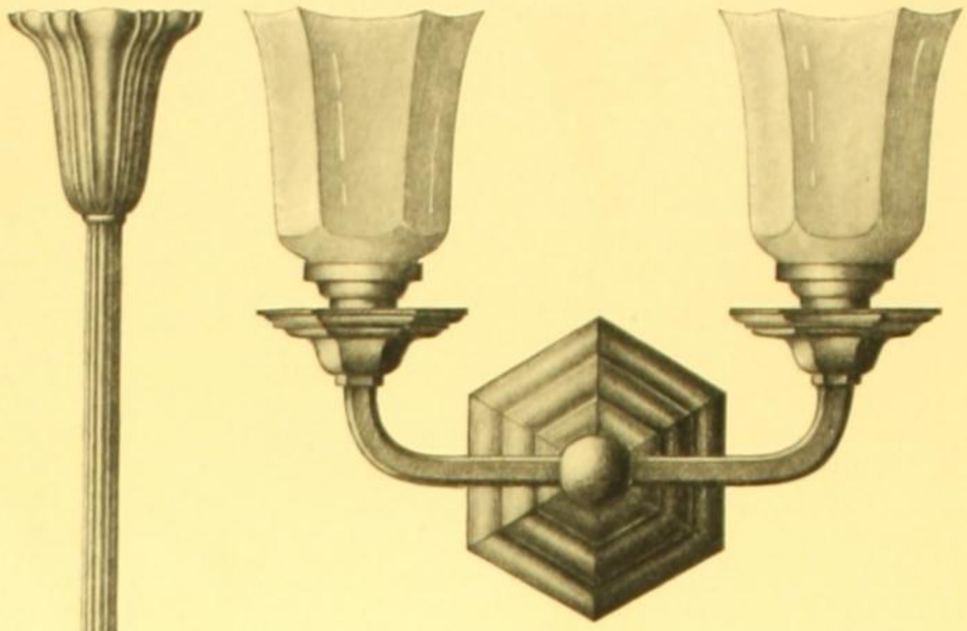


No. 20030-S

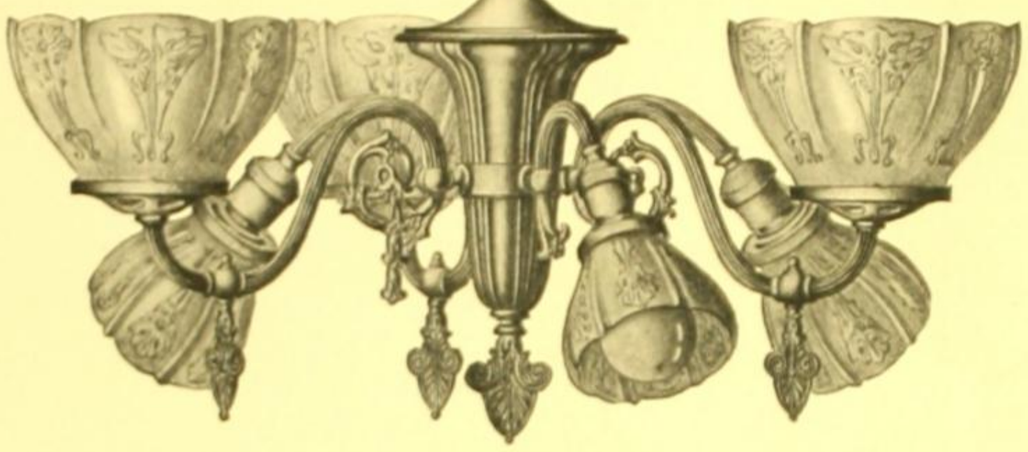
Scale, ¼ full size
Spread, 12 inches
Length, 36 inches

No. 20031-S

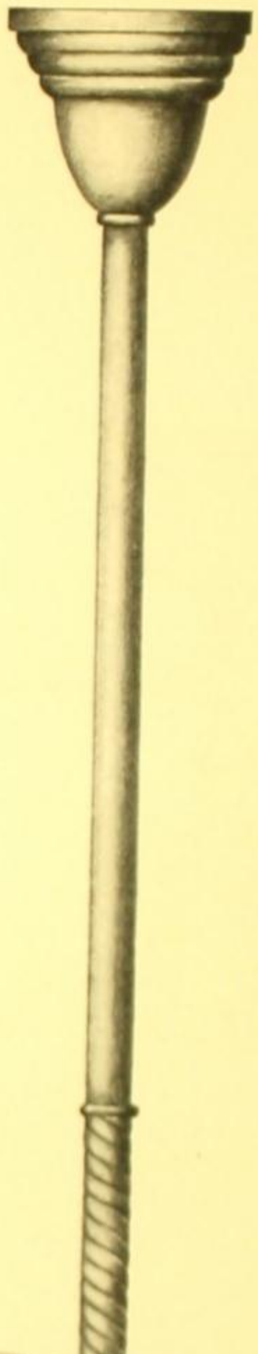
Scale, ⅛ full size
Spread, 20 inches
Length, 36 inches



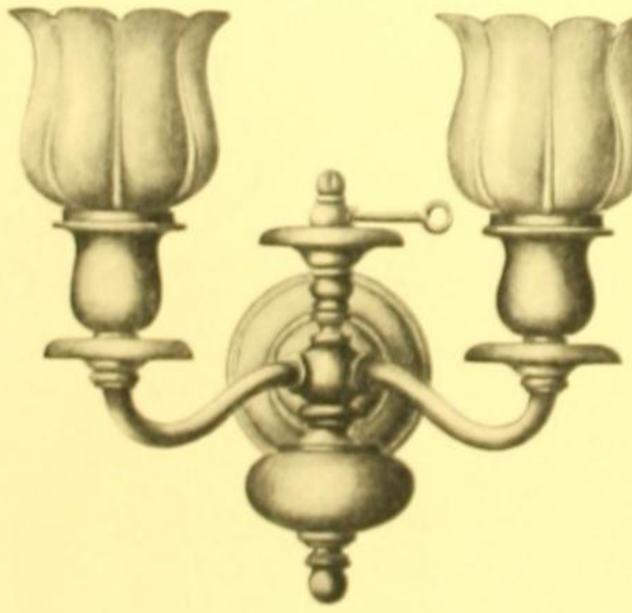
No. 15192
Scale, ¼ full size
Spread, 9 inches



No. 20028-S
Scale, ⅕ full size
Spread, 20 inches
Length, 36 inches

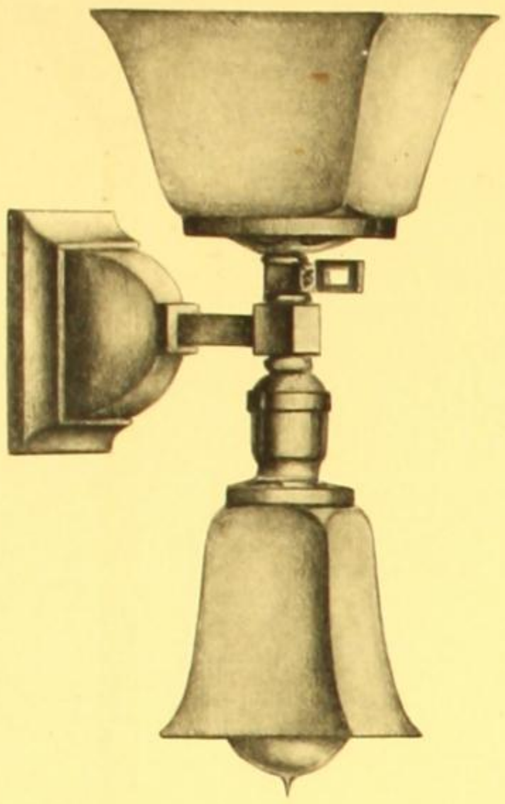


No. 18010-S
Scale, ⅕ full size
Length, 36 inches

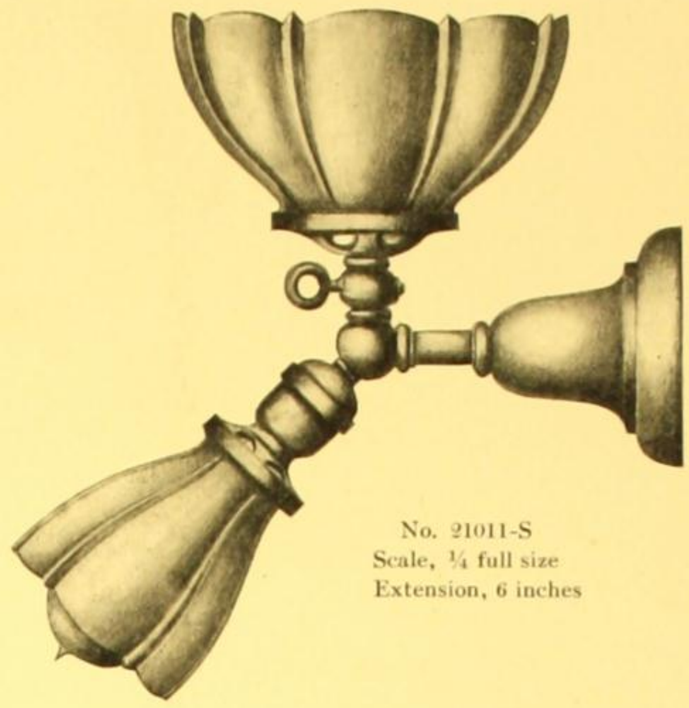


No. 21008-S
Scale, ¼ full size
Spread, 8 inches

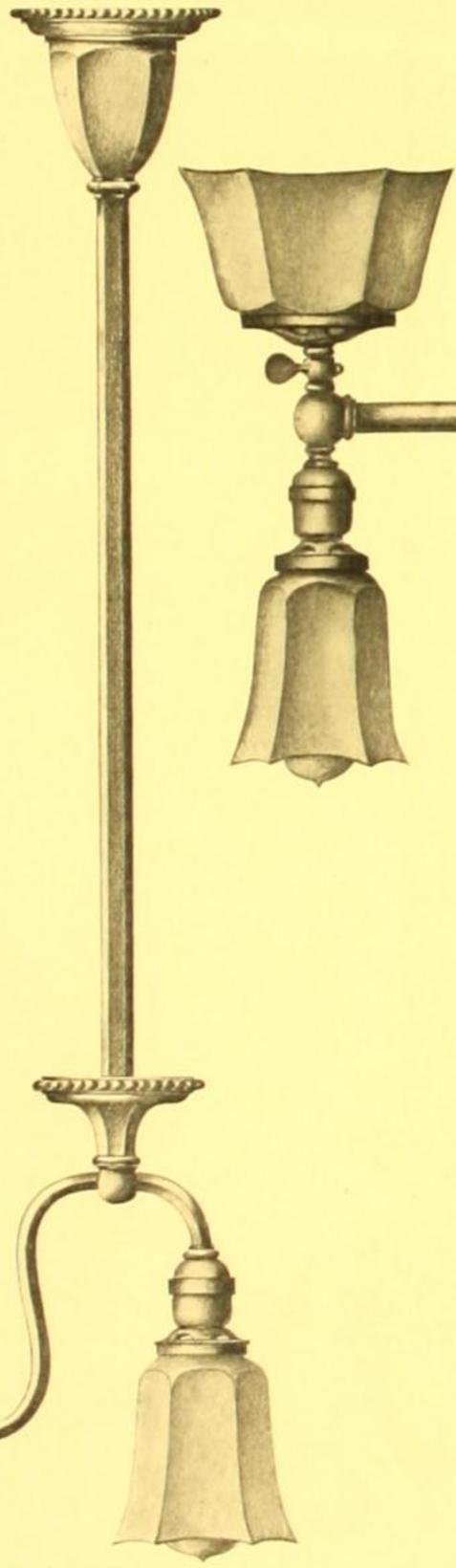
No. 20025-S
Scale, ¼ full size
Spread, 20 inches
Length, 36 inches



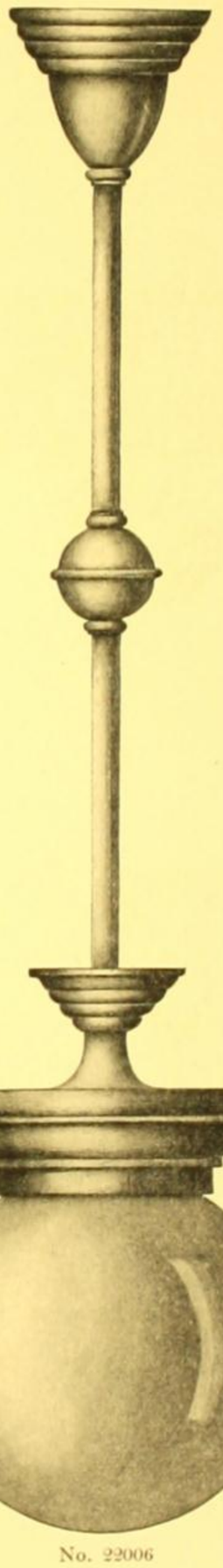
No. 21012-S
Scale, ¼ full size
Extension, 6 inches



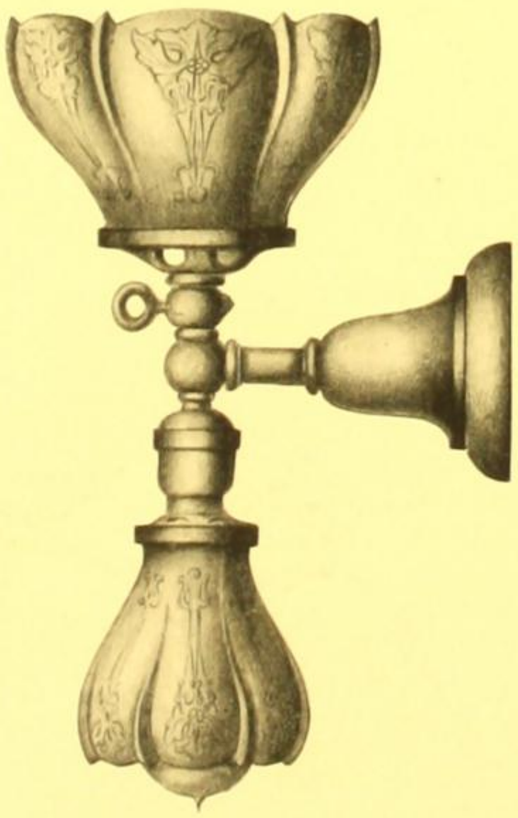
No. 21011-S
Scale, ¼ full size
Extension, 6 inches



No. 20035
Scale, ⅛ full size
Spread, 21 inches
Length, 42 inches

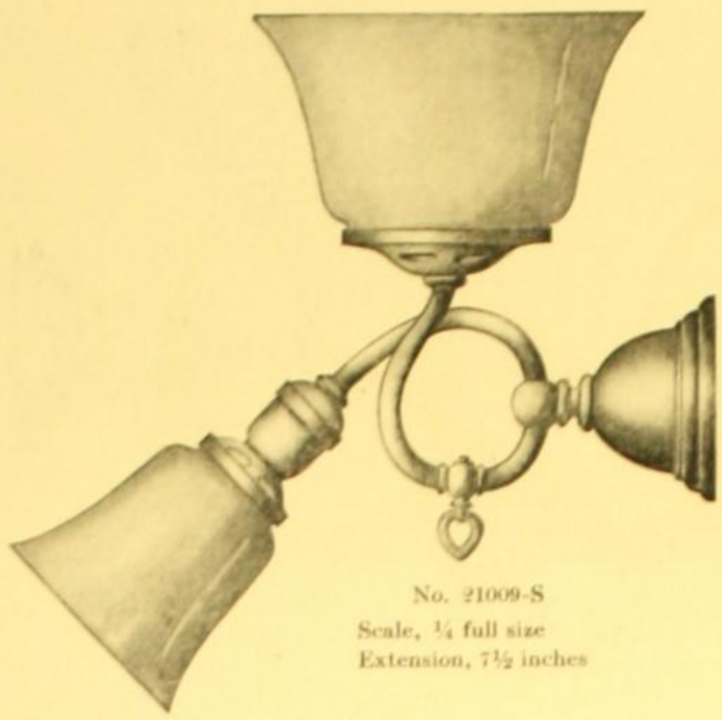


No. 22005-S
Scale, ⅛ full size
Spread, 8 inches
Length, 36 inches

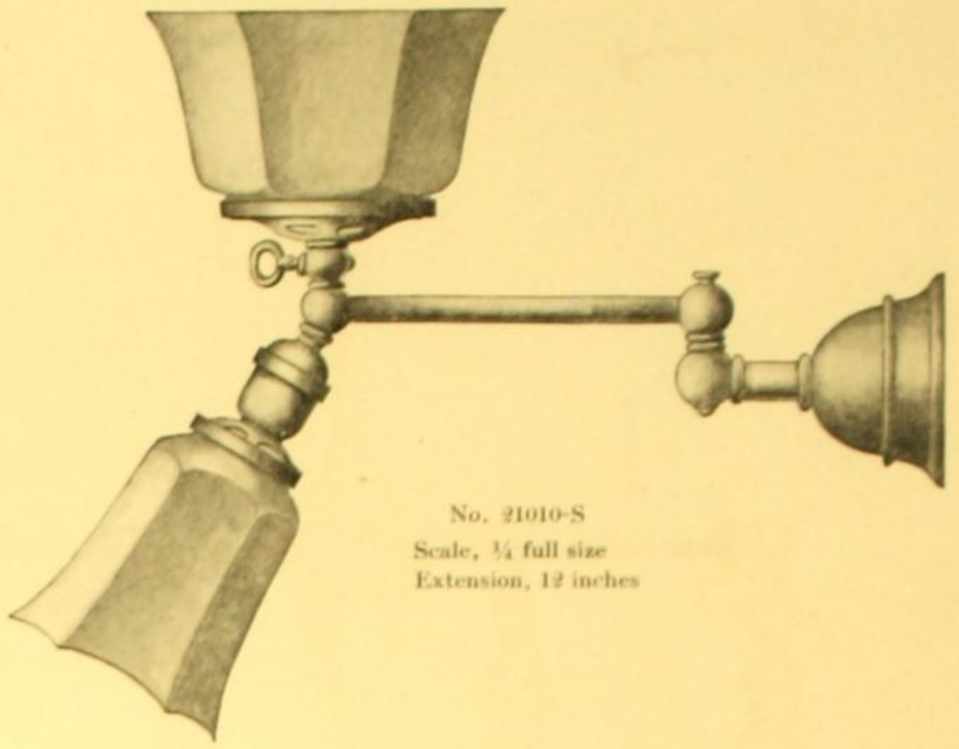


No. 21013-S
Scale, ¼ full size
Extension, 6 inches

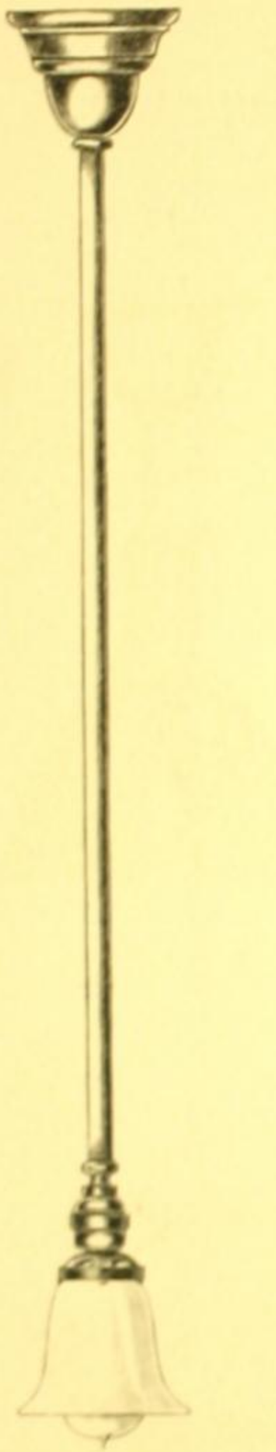
No. 22006
Scale, ⅛ full size
Spread, 8 inches
Length, 42 inches



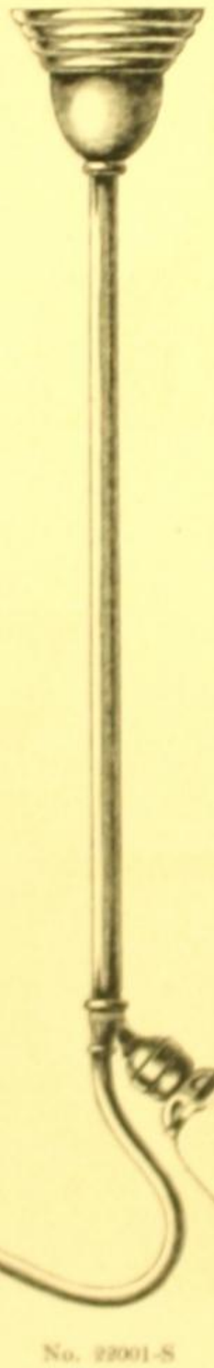
No. 21009-S
Scale, ¼ full size
Extension, 7½ inches

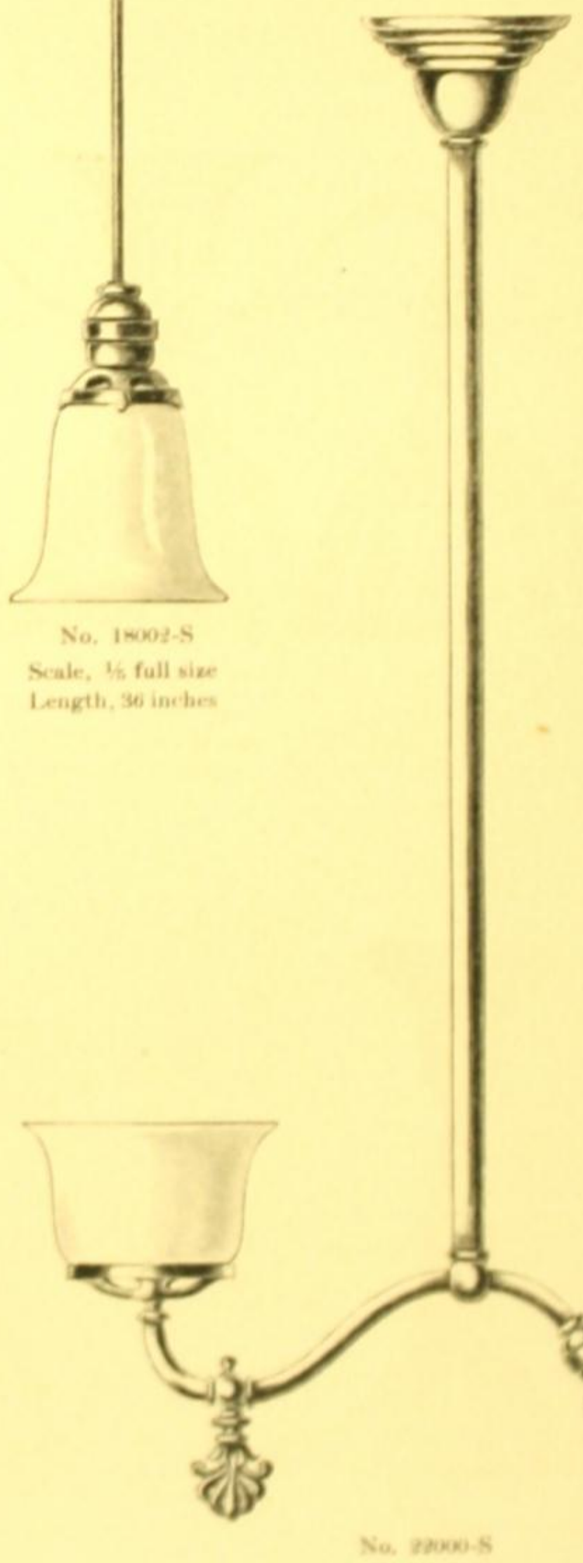


No. 21010-S
Scale, ¼ full size
Extension, 12 inches

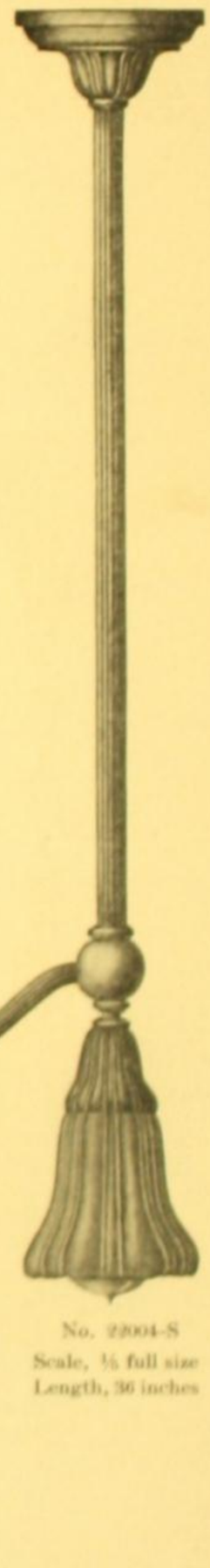


No. 18000-S
Scale, ½ full size
Length, 36 inches





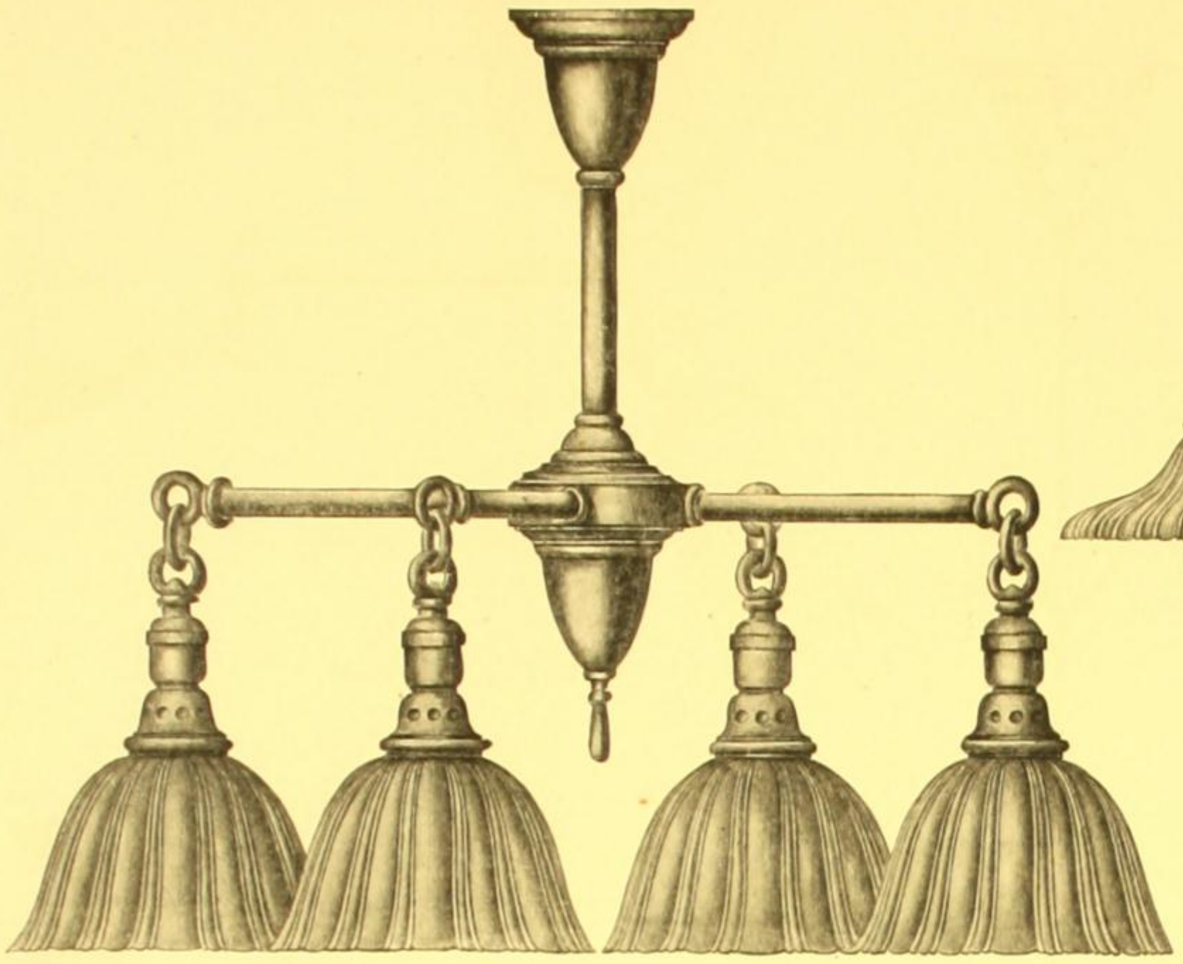
No. 18002-S
Scale, ½ full size
Length, 36 inches



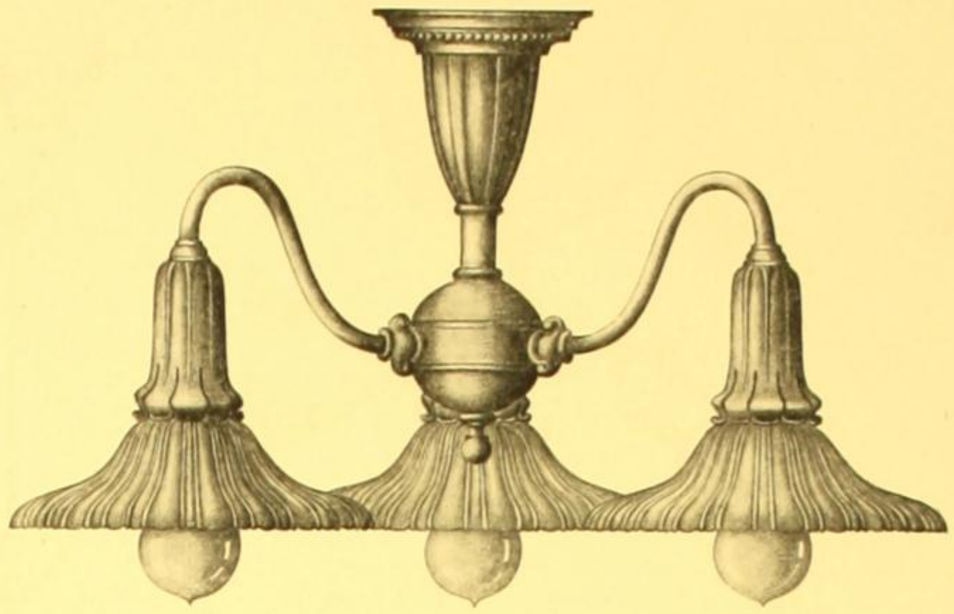
No. 22004-S
Scale, ½ full size
Length, 36 inches

No. 22001-S
Scale, ½ full size
Length, 36 inches

No. 22000-S
Scale, ½ full size
Length, 36 inches

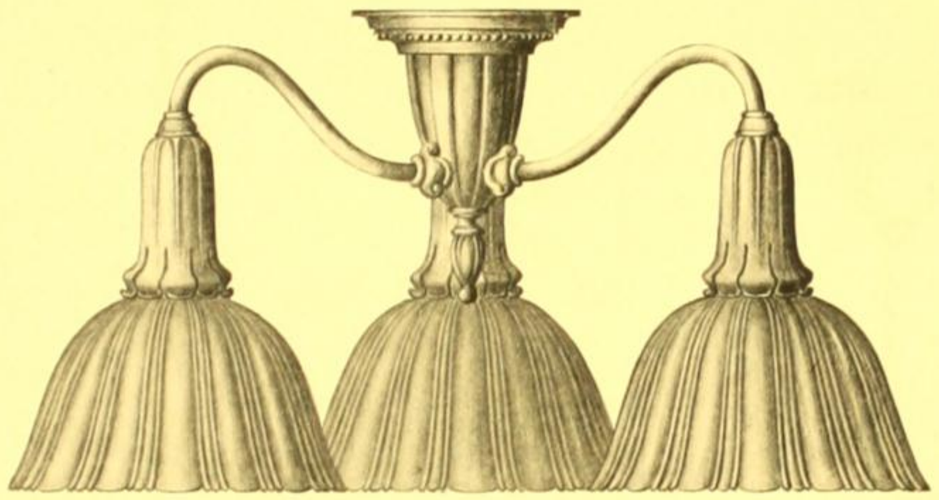


No. 13043-S
Scale, ⅕ full size
Spread, 20 inches
Length, 22 inches

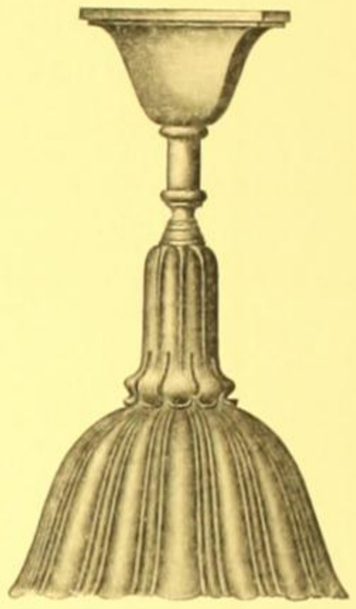


No. 13033-S
Scale, ⅕ full size
Spread, 16 inches
Length, 15 inches

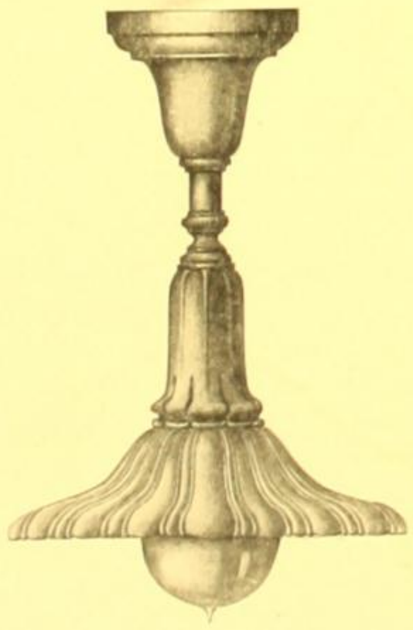
No. 18003-S
Scale, ⅕ full size
Length, 22 inches



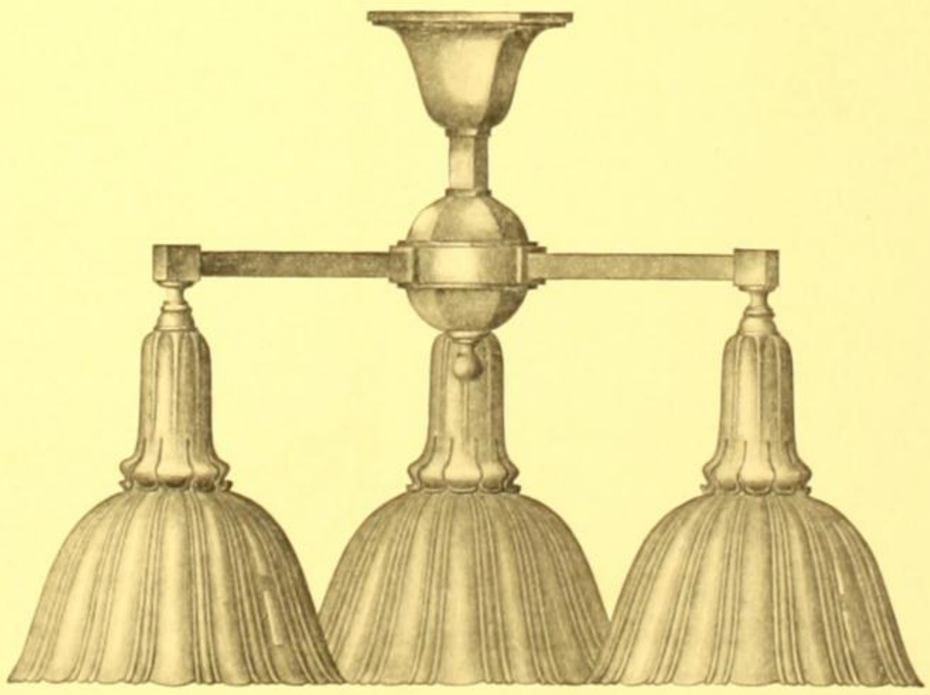
No. 13032-S
Scale, ⅕ full size
Spread, 16 inches
Length, 11½ inches



No. 13031-S
Scale, ⅕ full size
Length, 14 inches



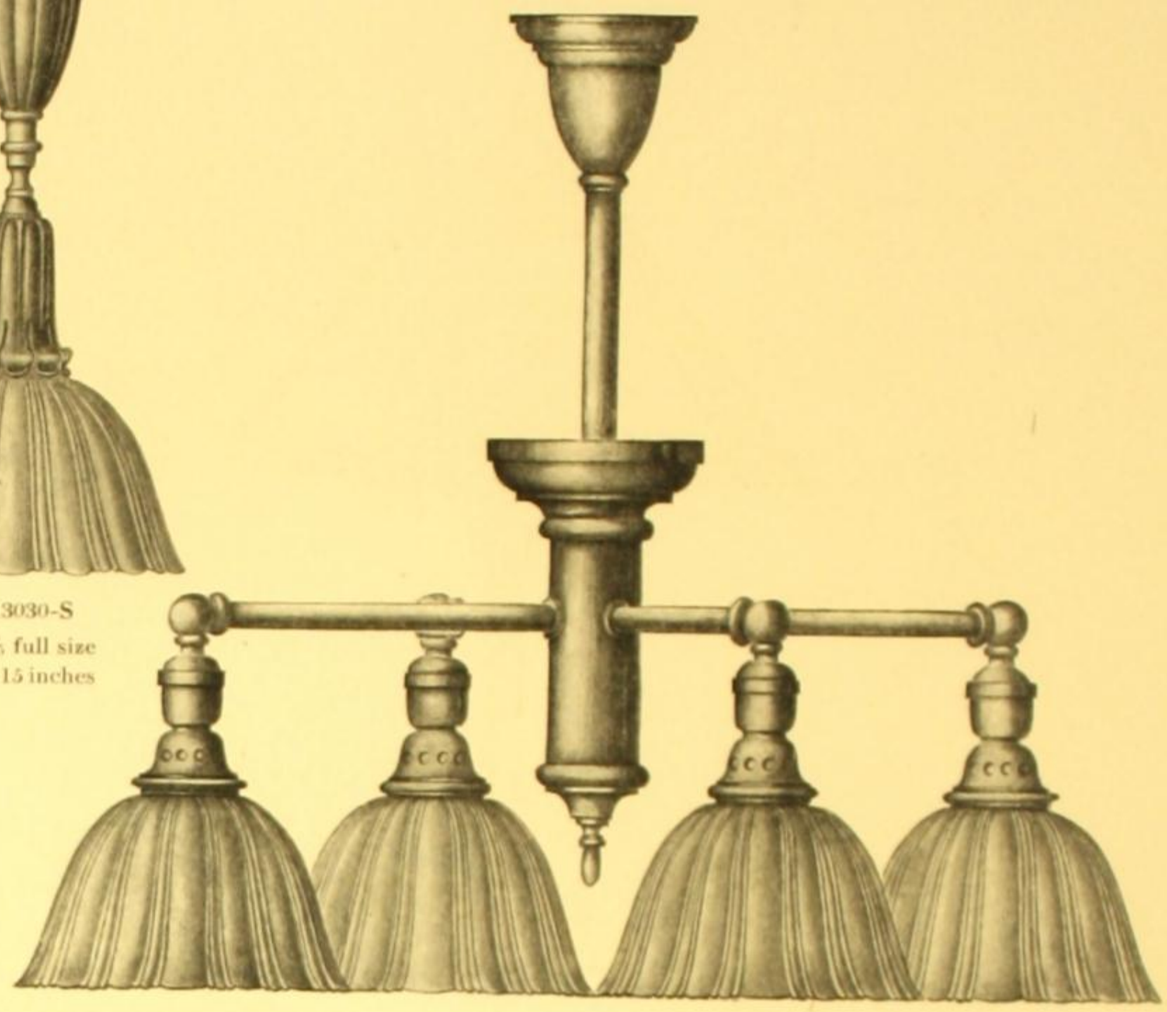
No. 13029-S
Scale, ⅕ full size
Length, 15 inches



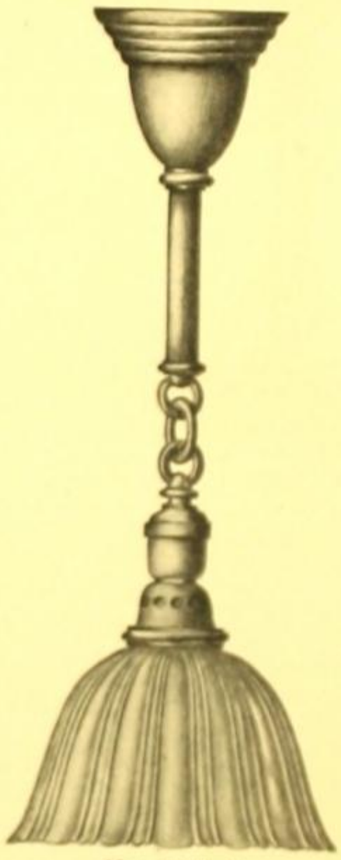
No. 13034-S
Scale, ⅕ full size
Spread, 17 inches
Length, 16 inches

No. 13040-S
Scale, ⅓ full size
Spread, 18 inches
Length, 21 inches

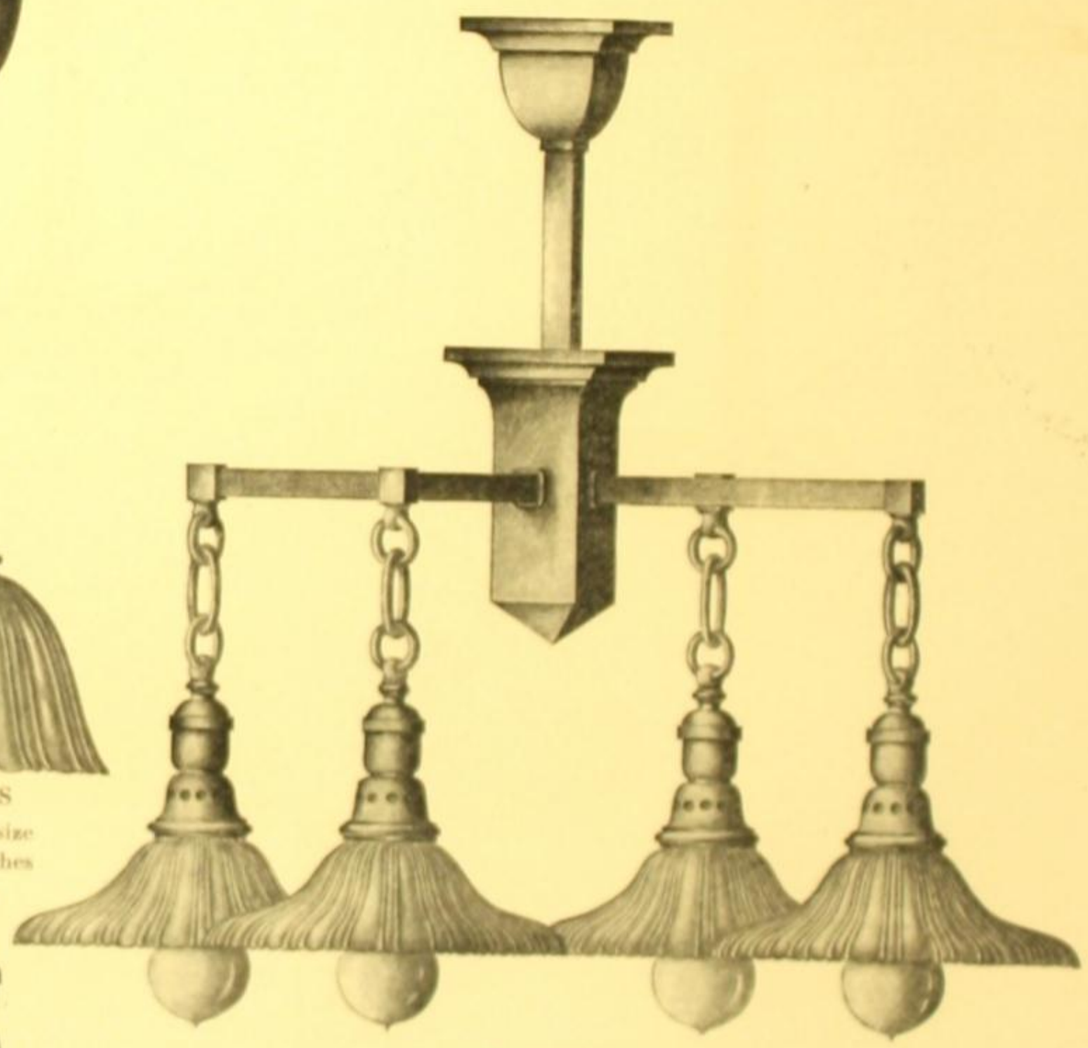
No. 13030-S
Scale, ⅓ full size
Length, 15 inches



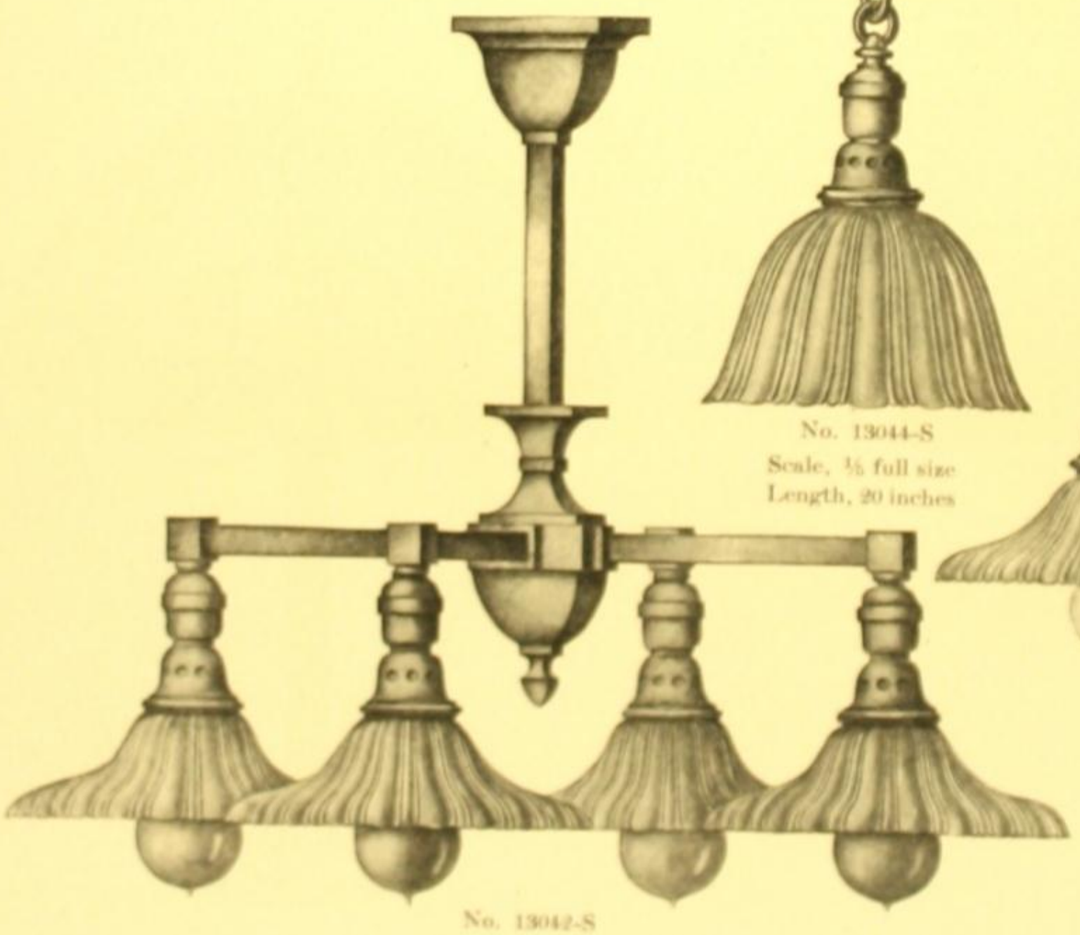
No. 13046-S
Scale, ⅓ full size
Spread, 18 inches
Length, 23 inches



No. 13044-S
Scale, ⅓ full size
Length, 20 inches

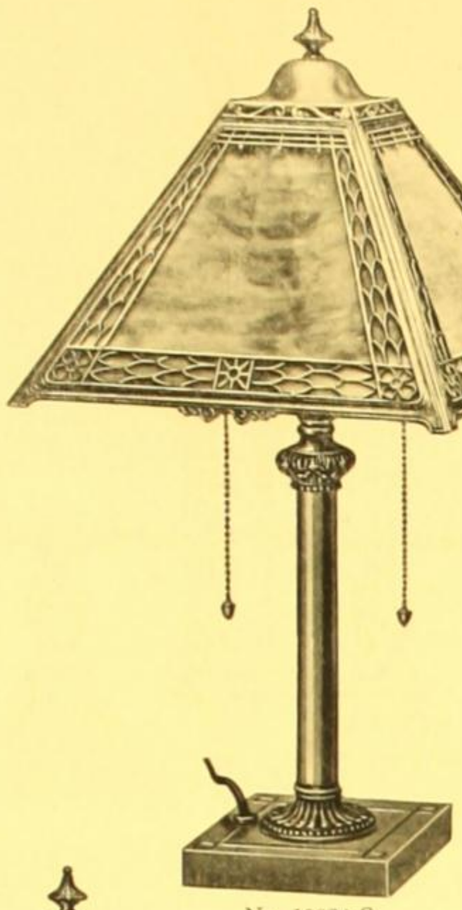


No. 13041-S
Scale, ⅓ full size
Spread, 20 inches
Length, 24 inches



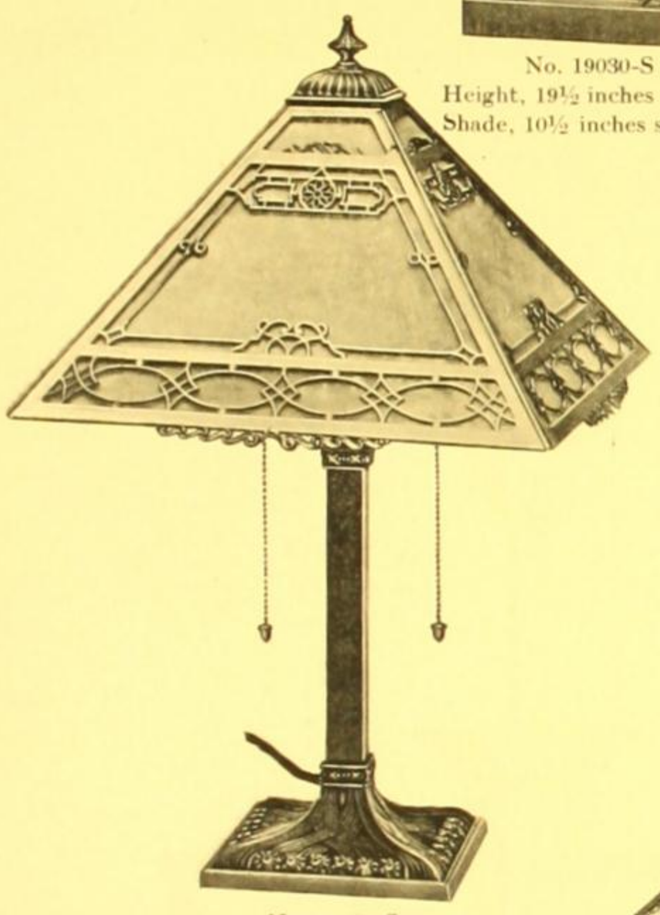
No. 13042-S
Scale, ⅓ full size
Spread, 20 inches
Length, 22 inches

ELECTRIC READING LAMPS



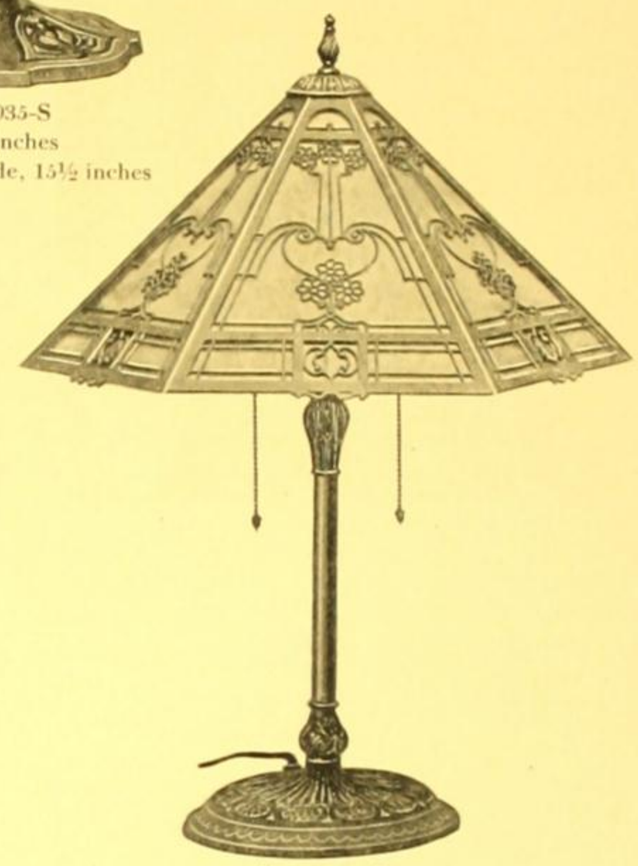
No. 19030-S
Height, 19½ inches
Shade, 10½ inches square

No. 19035-S
Height, 22½ inches
Diameter Shade, 15½ inches

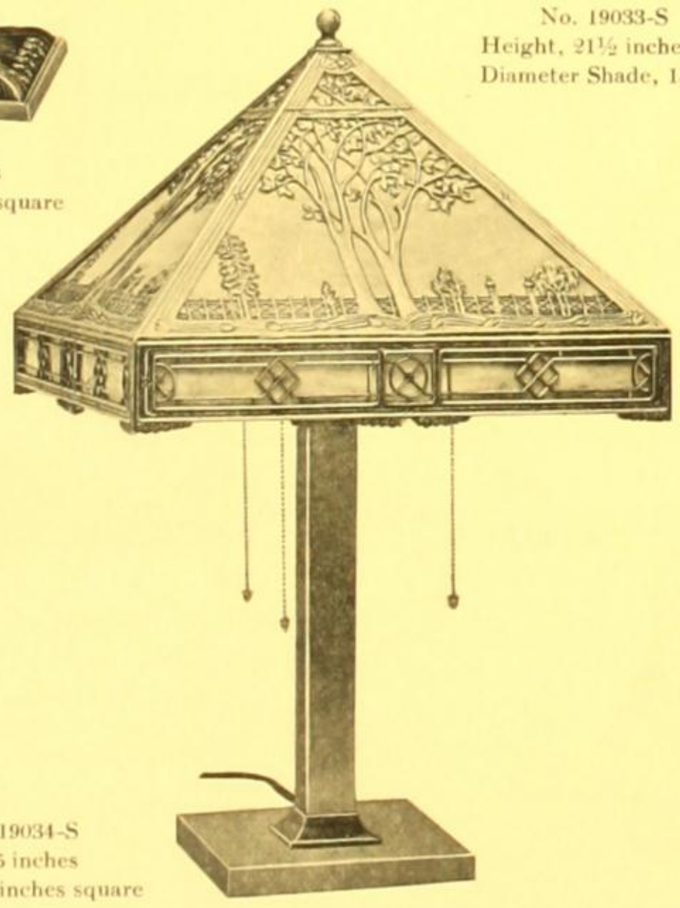


No. 19036-S
Height, 20 inches
Shade, 12 inches square

No. 19033-S
Height, 21½ inches
Diameter Shade, 15 inches

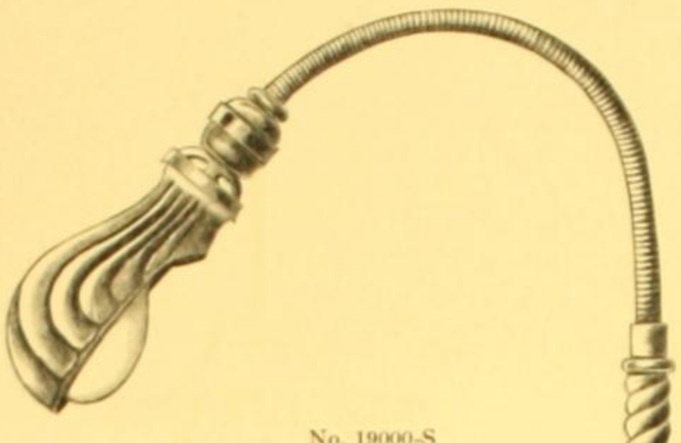


No. 19031-S
Height, 24 inches
Diameter Shade, 16 inches

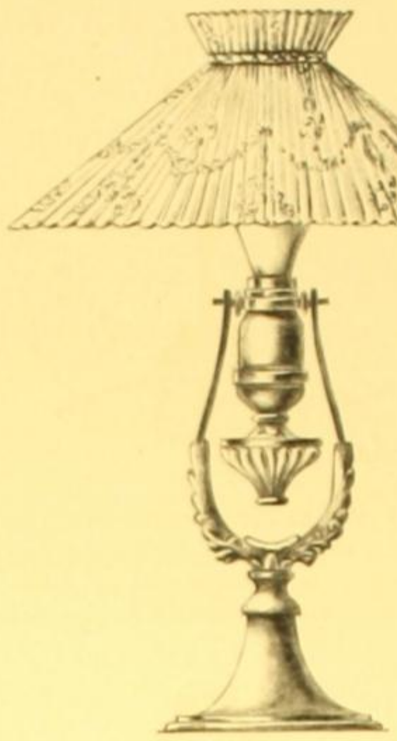


No. 19034-S
Height, 25 inches
Shade, 16 inches square

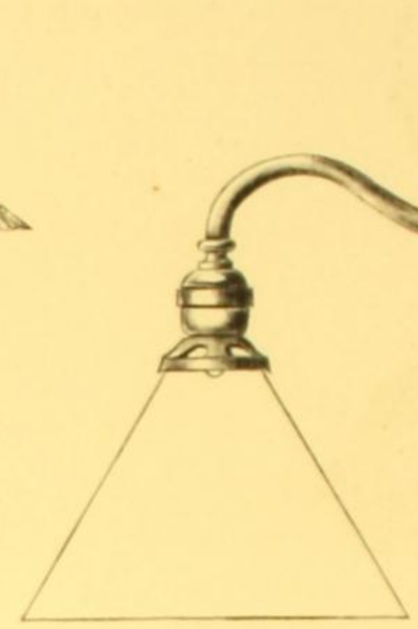
No. 19032-S
Height, 19½ inches
Diameter Shade, 12 inches



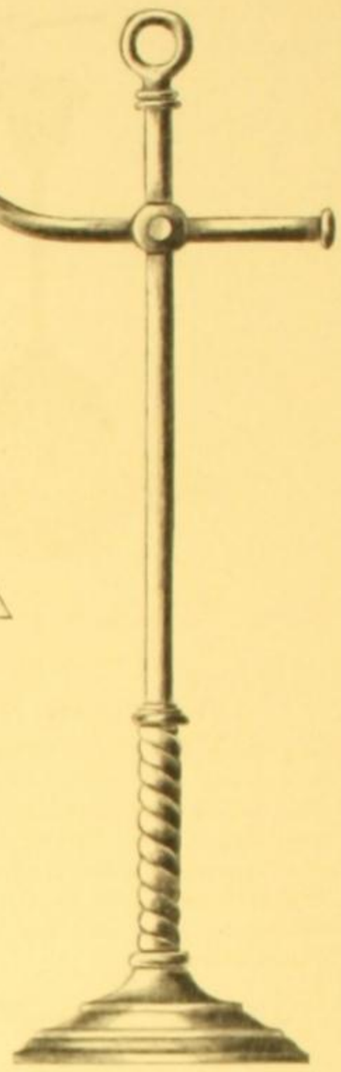
No. 19000-S
With 9 inch
Flexible Arm
¼ full size

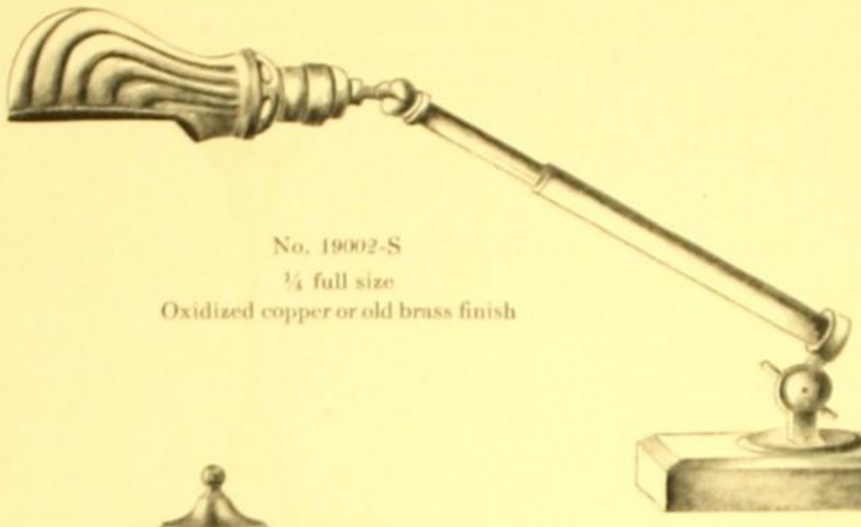


No. 19004-S
Swing Portable
¼ full size

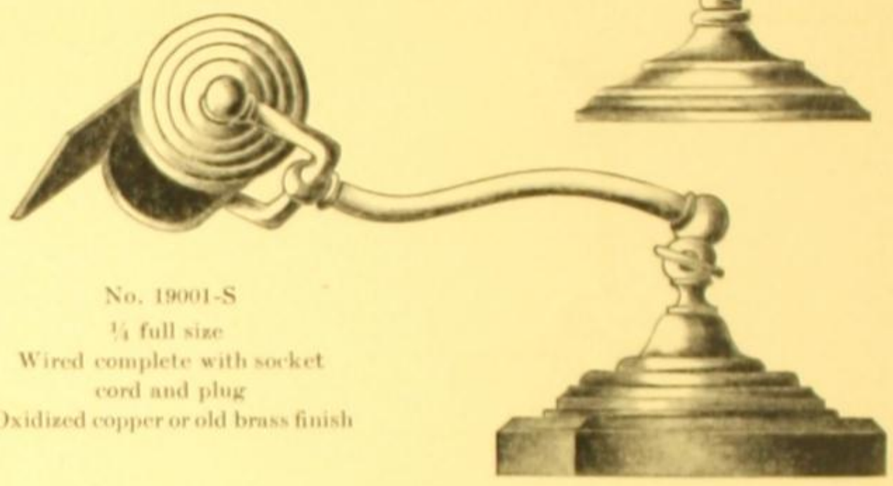


No. 19003-S
¼ full size



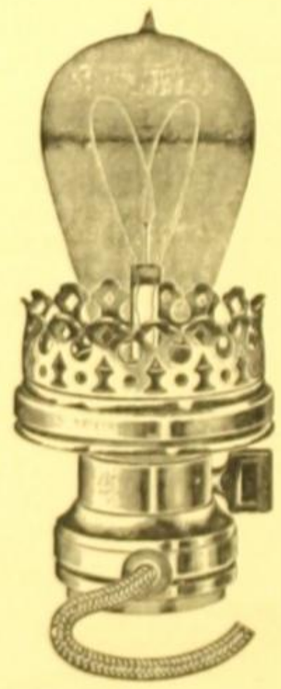


No. 19002-S
¼ full size
Oxidized copper or old brass finish



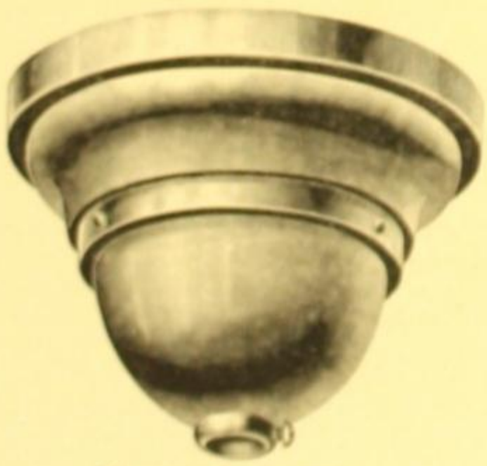
No. 19001-S
¼ full size
Wired complete with socket
cord and plug
Oxidized copper or old brass finish

No. 19005-S
light Electric with
12 inch Green Dome,
opal lined

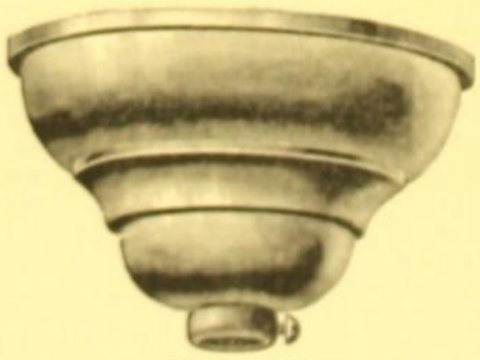


No. 2271-S Ideal Electric
Duplex Burner

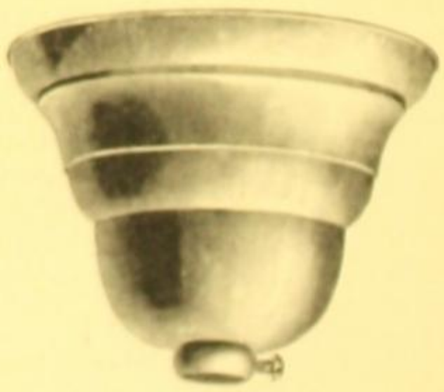
No. 5403-S Hubbell Electric
Attachment for center
draft oil lamp



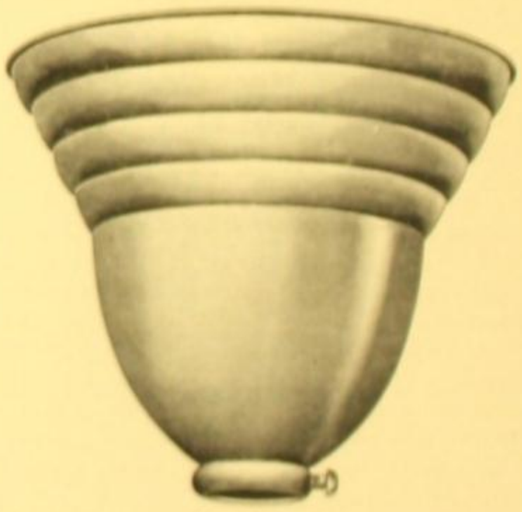
No. 30501-S Separable
4⅝ x 3¼ inches



No. 30502-S
4½ x 2⅝ inches

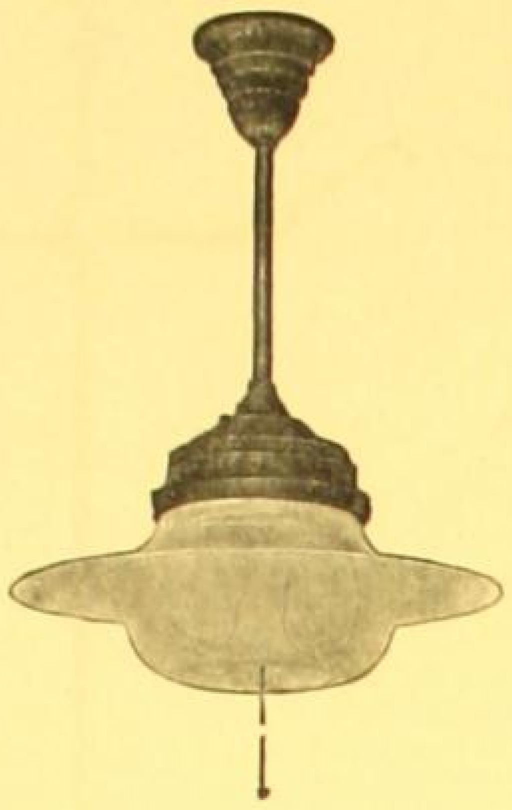


No. 30503-S
4 x 2¾ inches



No. 30504-S
4¾ x 4 inches

"BENJAMIN" MAZDA FIXTURES



T84-S

THE ENCLOSED MAZDA ARCS

Nos. T83-S–T85-S have cluster body, 15 inch stem of $\frac{3}{8}$ inch iron pipe and $\frac{3}{4}$ inch casing, 18 inch opal reflector, enclosed globe, $5\frac{1}{2}$ inch canopy and crowfoot, 4 light series fixtures for low voltage, street series lamps furnished without additional charge. 60 watt lamps may be used. Grouping switch furnishing 3 degrees of illumination with chain furnished if desired.

0733-S

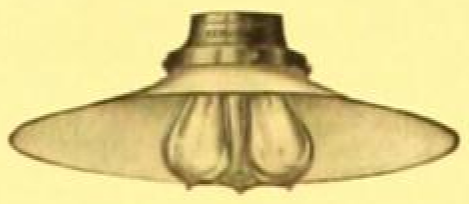
THE WIRELESS MAZDA FIXTURES

Nos. 0732-S–0733-S have cluster body, 12 inch stem of $\frac{5}{8}$ inch tubing, 16 inch opal reflector, holder, 5 inch canopy and crowfoot. 100 watt lamps may be used.

$0634\frac{1}{2}$-S

THE SERIES WIRELESS CLUSTER MAZDA FIXTURES

Nos. $0632\frac{1}{2}$-S–$0534\frac{1}{2}$-S are especially designed for 50 and 100 watt street series lamps. The filament of these lamps has but a single loop, and is heavy, strong and durable. A 4 light fixture will furnish more useful light than a 6 ampere arc, and eliminate the item of trimming. Fixtures have an 18 inch deeply hooded enameled steel reflector, 12 inch stem of $\frac{3}{8}$ inch iron pipe, and shock absorber, or can be furnished with stem of pipe and $\frac{3}{4}$ inch casing with 5 inch canopy.



733-S

THE WIRELESS MAZDA FIXTURES

Nos. 732-S–733-S are ceiling forms same as above, less stem, canopy and crowfoot.

0534-S

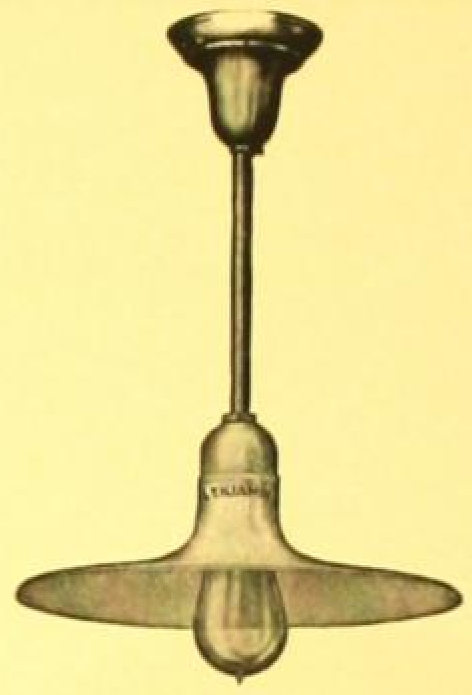
THE WIRELESS MAZDA FIXTURES

Nos. 0532-S–0535-S have cluster body, 12 inch stem of $\frac{3}{8}$ inch iron pipe and $\frac{3}{4}$ inch casing, 16 inch deeply hooded enameled steel reflector, 5 inch canopy and crowfoot, will take 60 watt lamps. 4 light fixtures with 18 inch reflector for 100 watt lamps can be furnished.

0335-S

THE WIRELESS MAZDA FIXTURES

Nos. 0332-S-0335-S have cluster body, 12 inch stem of $\frac{3}{8}$ inch iron pipe and $\frac{3}{4}$ inch casing, 18 inch opal reflector and holder, 5 inch canopy and crowfoot. Clusters have knockout bushing for attaching pendent switch. 4 light fixture will take 100 watt lamps, 5 light fixture will take 60 watt lamps.

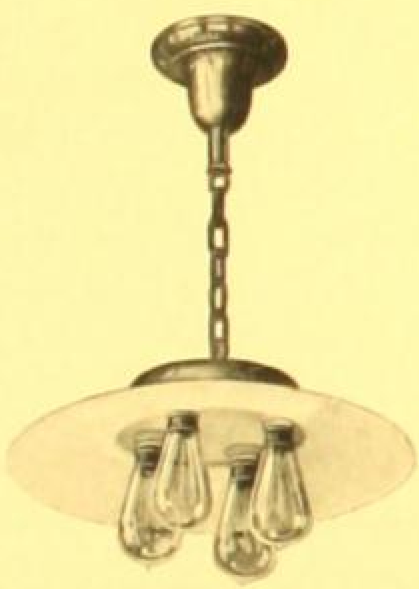


6021-S

THE MAZDA REFLECTOR SOCKETS

Nos. 6001-S–6021-S have 14 inch deeply hooded enameled steel reflector, a specially designed two-part porcelain receptacle, 12 inch stem of $\frac{3}{8}$ inch iron pipe and $\frac{3}{4}$ inch casing, 5 inch canopy and crowfoot.

"FEDERAL" MAZDA FIXTURES



MAZDA CLUSTER

No. 758-S is a simple, effective, inexpensive cluster for store lighting. The cluster is furnished with a porcelain glass reflector and the center disk, in which the sockets are placed, is made of white porcelain enameled steel, giving an excellent reflecting surface. Will be wired with sockets on two circuits without extra charge, if so specified when ordering. Clusters with 20 inch reflector, four 100 watt or six 60 watt Mazda lamps can be used, with 18 inch reflector, four 60 watt or five 40 watt. All stems are 18 inches long and can be either plain, or chain as shown.

MAZDA CLUSTER

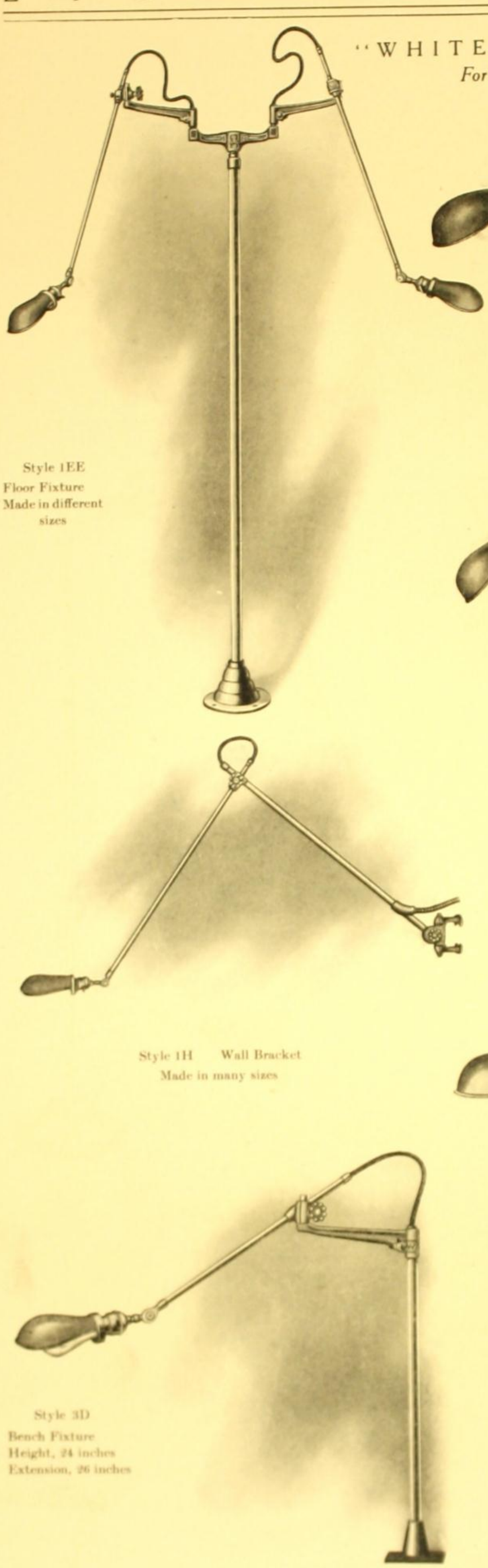
No. 755-S is adapted for places where the ceilings are too low to use a stem. Made in two sizes. 16 inch ceiling ring with 20 inch porcelain reflector and diffuser for four 100 watt or six 60 watt lamps. Also, with 14 inch ceiling ring with 18 inch porcelain reflector and diffuser adapted for four 60 watt or five 40 watt lamps.

MAZDA CLUSTER

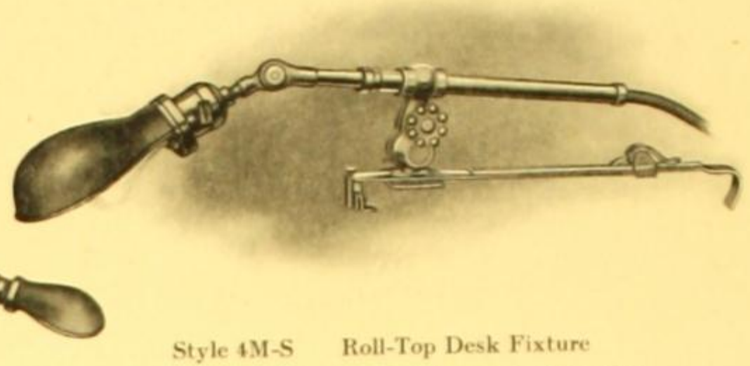
No. 753-S. This cluster is similar to No. 758-S with the addition of a diffuser. The general dimensions are the same. Chain stem can be furnished in place of plain stem as shown if desired.

"WHITE" ADJUSTABLE FIXTURES

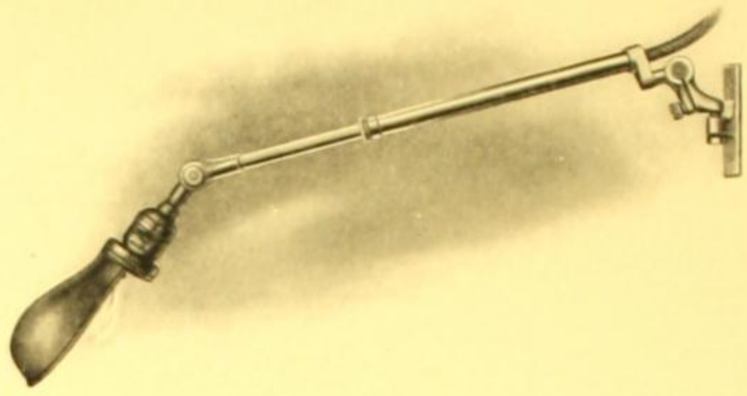
For detailed information on sizes and uses see price list



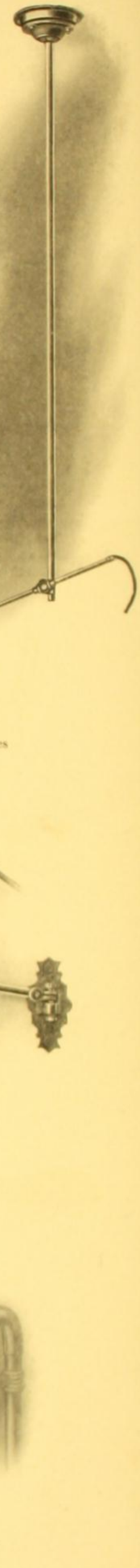
Style 1EE
Floor Fixture
Made in different sizes



Style 4M-S Roll-Top Desk Fixture
Telescoping Adjustment of from 2 to 20 inches

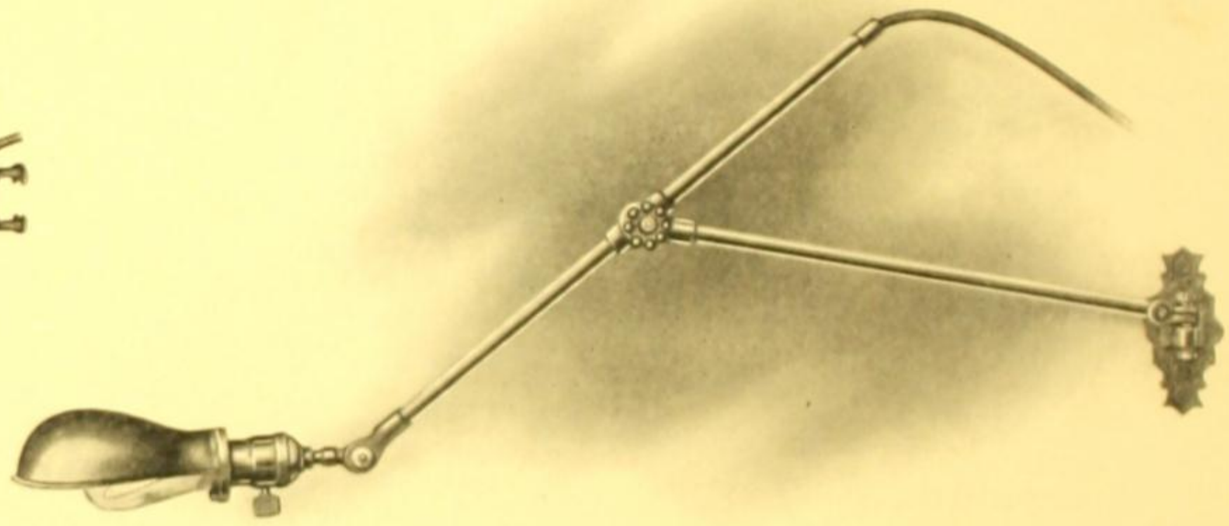


Style 8F-S
Wall Bracket
Telescoping Adjustment of from 14 to 22 inches



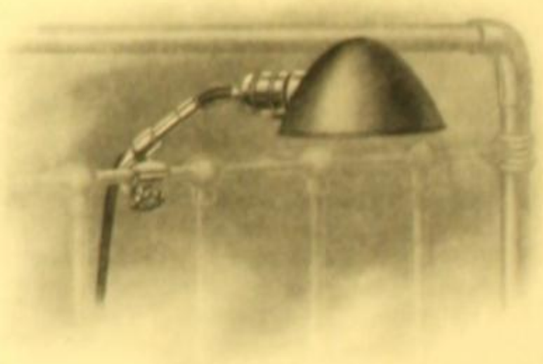
Style 1A
Ceiling Fixture
Made in four weights and all sizes

Style 1H Wall Bracket
Made in many sizes



Style 1F-S
Wall Bracket
Extension, 36 inches

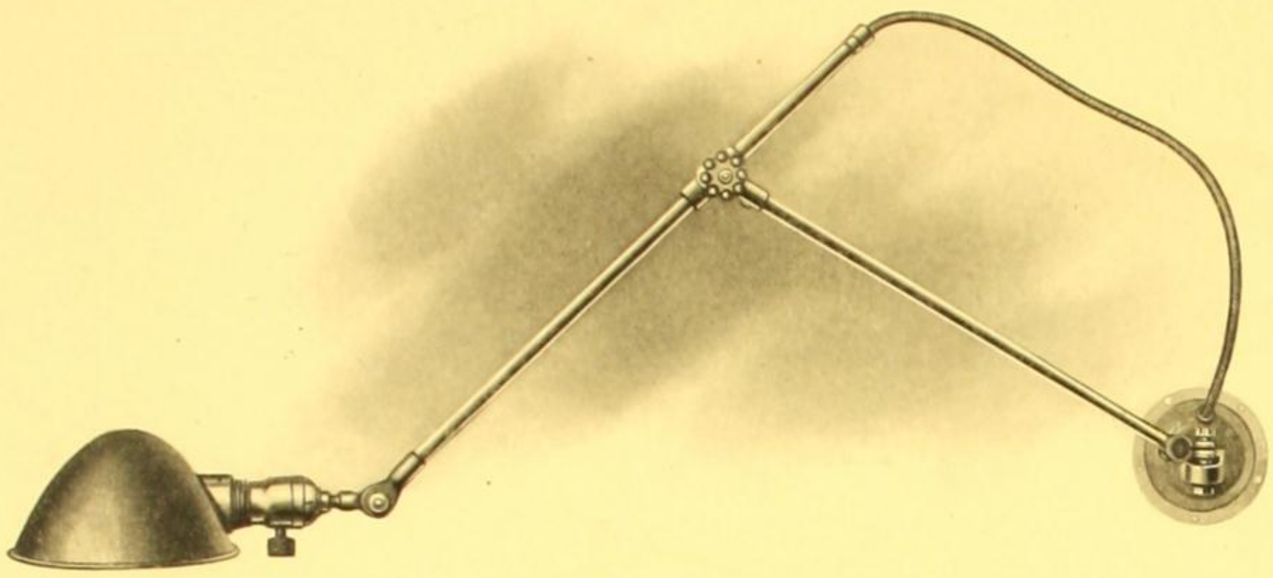
Style 3D
Bench Fixture
Height, 24 inches
Extension, 26 inches



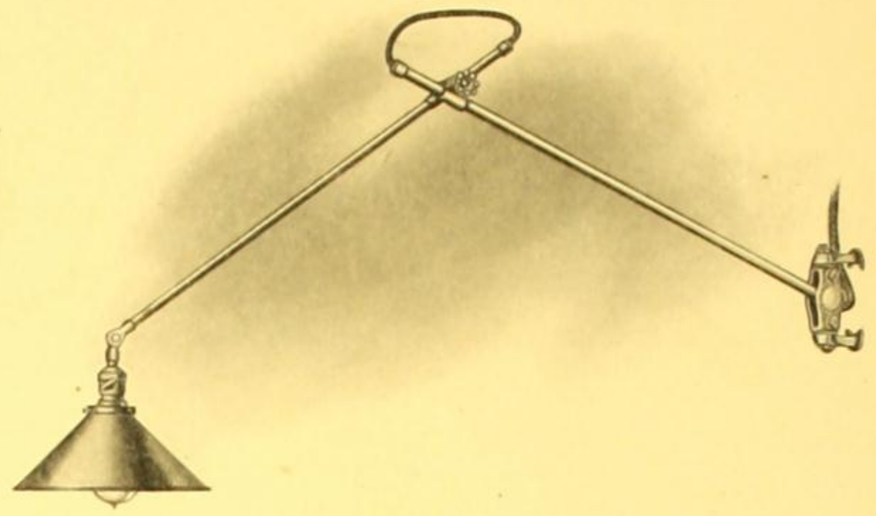
Style BF-S Adjustable Bed Fixture
Extension, 5 inches

"WHITE" ADJUSTABLE FIXTURES

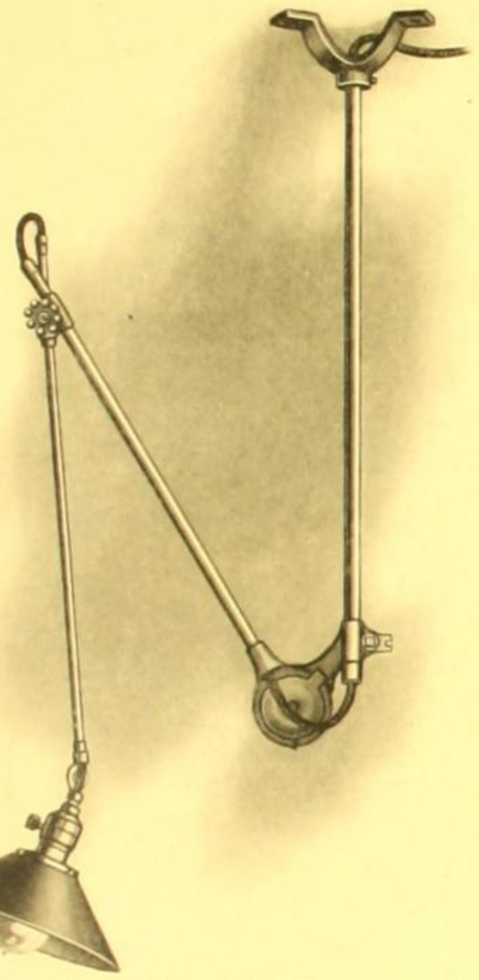
For detailed information on sizes and uses see price list



Style 3F Wall Bracket Extension, 36 inches

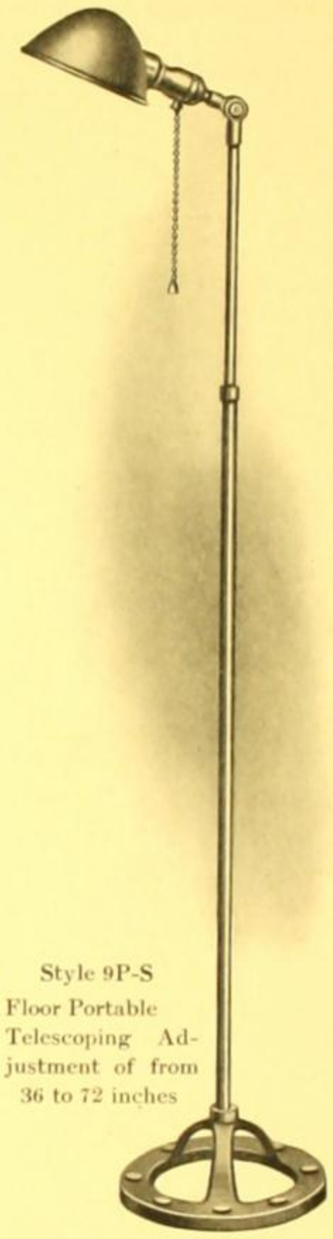


Style 1G Wall Bracket
Made in four weights and all sizes

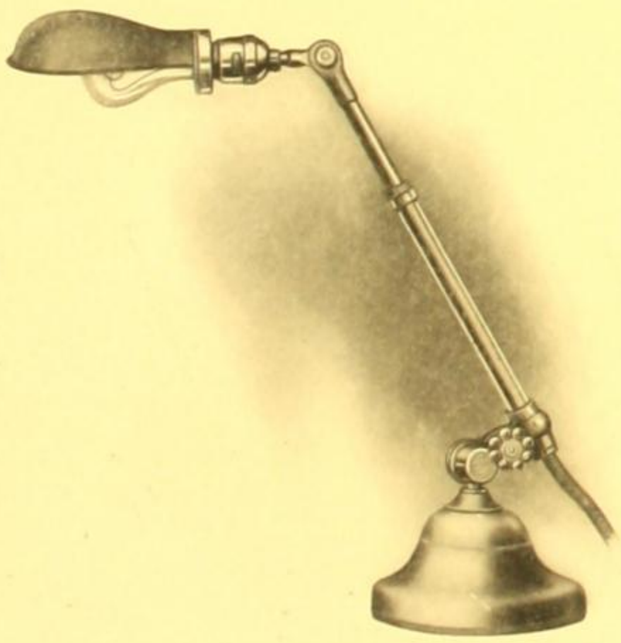


Style 1K Ceiling Fixture
Made in all sizes

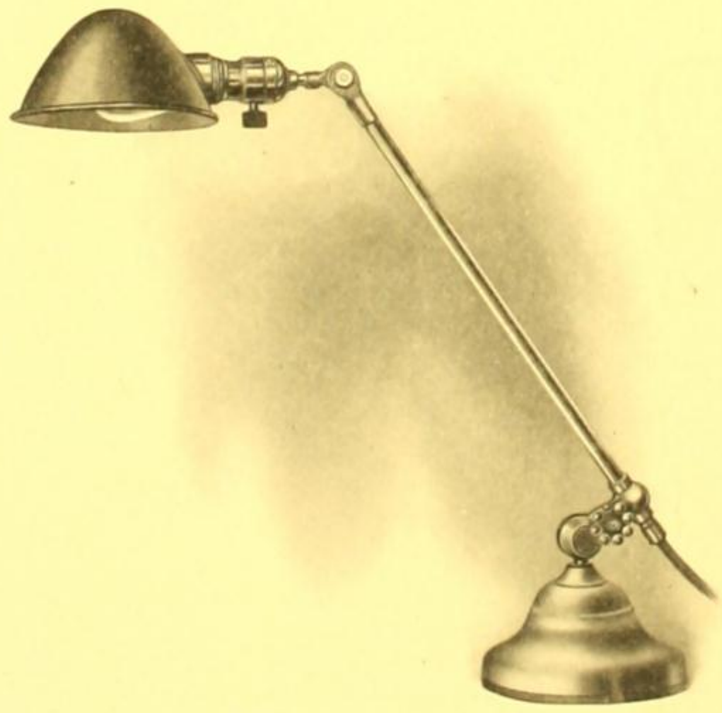
Style 1KK
Ceiling Fixture
Made in all sizes



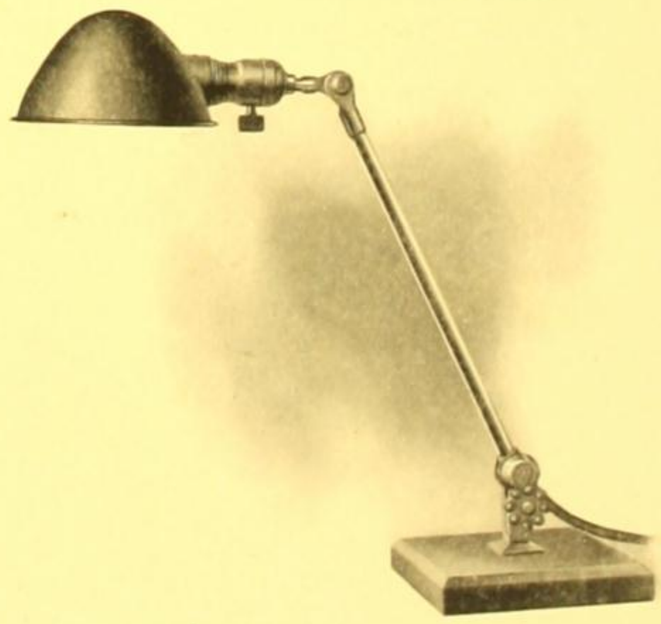
Style 9P-S
Floor Portable
Telescoping Adjustment of from 36 to 72 inches



Style 7P-S Desk Portable
Telescoping Adjustment of from 2 to 24 inches



Style 5P-S
Desk Portable
Adjustable up to 22 inches



Style 8P-S
Desk Portable
Extension, 18 inches

HIGH EFFICIENCY REFLECTORS FOR MAZDA LAMPS

"OPALUX"

S1
For 25 and 40 watt lamps

S2
For 60 watt lamps

S3
For 100 watt lamps

F1
For 25 and 40 watt lamps

F2
For 60 watt lamps

F3
For 100 watt lamps

"HOLOPHANE"

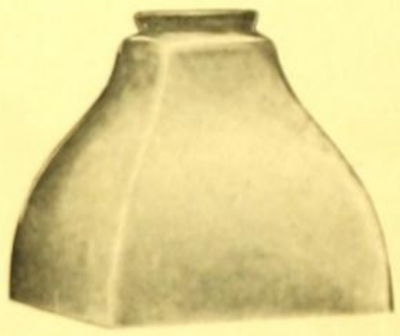
EXTENSIVE
E 3 for 25 watt lamp
E 5 ,, 40 ,, ,,
E 7 ,, 60 ,, ,,
E 9 ,, 100 ,, ,,
E 11 ,, 150 ,, ,,
E 13 ,, 250 ,, ,,

FOCUSING
F 3 for 25 watt lamp
F 5 ,, 40 ,, ,,
F 7 ,, 60 ,, ,,
F 9 ,, 100 ,, ,,
F 11 ,, 150 ,, ,,
F 13 ,, 250 ,, ,,

INTENSIVE
I 3 for 25 watt lamp
I 5 ,, 40 ,, ,,
I 7 ,, 60 ,, ,,
I 9 ,, 100 ,, ,,
I 11 ,, 150 ,, ,,
I 13 ,, 250 ,, ,,

"ROUGHED INSIDE"

No. 8783
6 inch for 25 watt lamp
7 ,, ,, 40 ,, ,,
8 ,, ,, 60 ,, ,,
9 ,, ,, 100 ,, ,,
10 ,, ,, 150 ,, ,,
12 ,, ,, 250 ,, ,,



No. 8784
4½ inches square for
25 watt lamp
5⅛ inches square for
40 watt lamp
6 inches square for
60 watt lamp

No. 8785 Clear edge
4½ inches square for
25 watt lamp
5⅛ inches square for
40 watt lamp
6 inches square for
60 watt lamp

"FRANKLIN"

No. 4071 C
For 40 watt lamp

No. 4057 C
For 60 watt lamp

No. 4043 C
For 100 watt lamp

No. 8701 Electric
3¼ inch holder
7 inches high

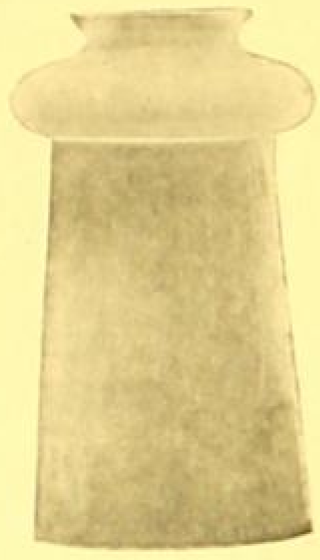
No. 8740 Electric
3¼ inch holder
6 inches high

No. 8597 Electric
3¼ inch holder
7½ inches high

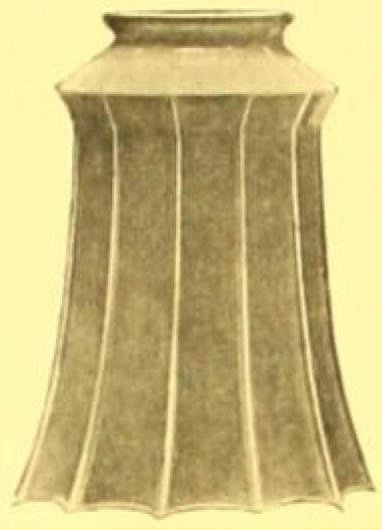
No. 8769 Electric
2¼ inch holder
5¾ inches high

No. 8768 Electric
2¼ inch holder
7¾ inches high

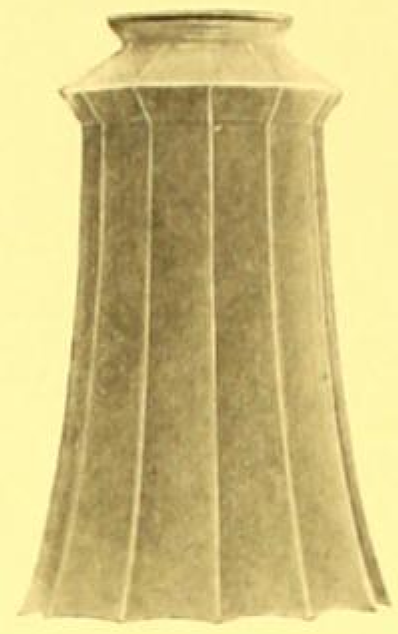
No. 8770 Electric
2¼ inch holder
7¾ inches high



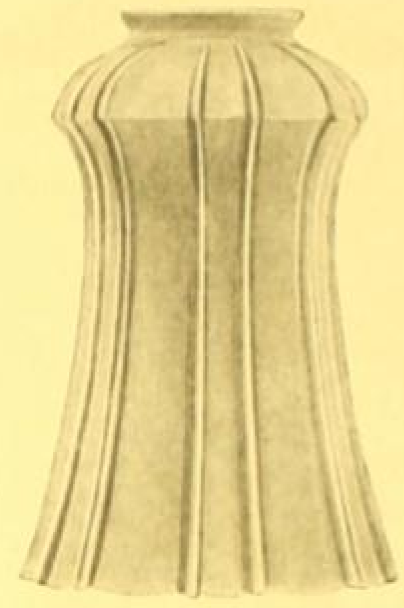
No. 8760 Electric
2¼ inch holder
5¾ inches high



No. 8771 Electric
2¼ inch holder
5½ inches high

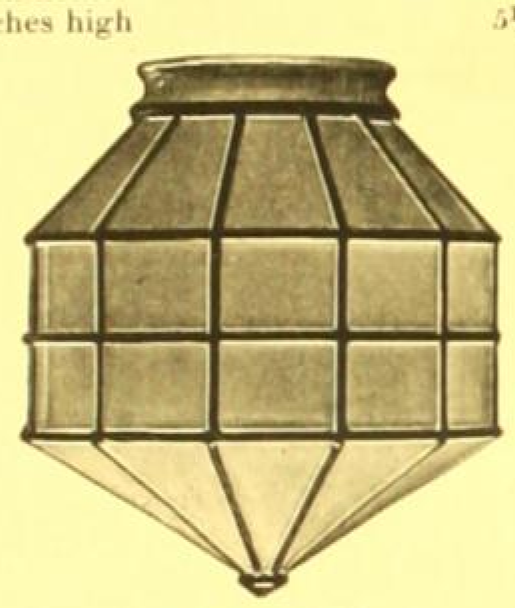


No. 8763 Electric
2¼ inch holder
7 inches high



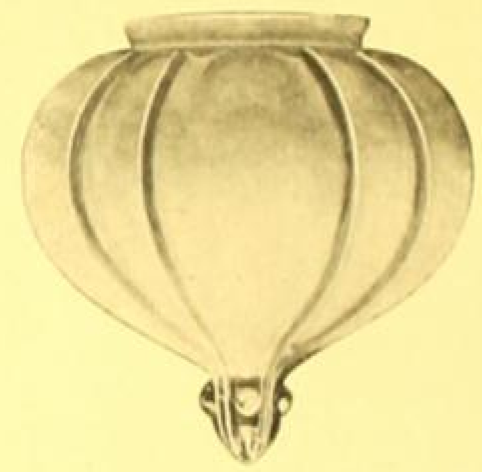
No. 8766 Electric
2¼ inch holder
6¾ inches high

No. 8607 Ball
6 x 3¼ inch holder
7 x 3¼ ,, ,,
8 x 3¼ ,, ,,

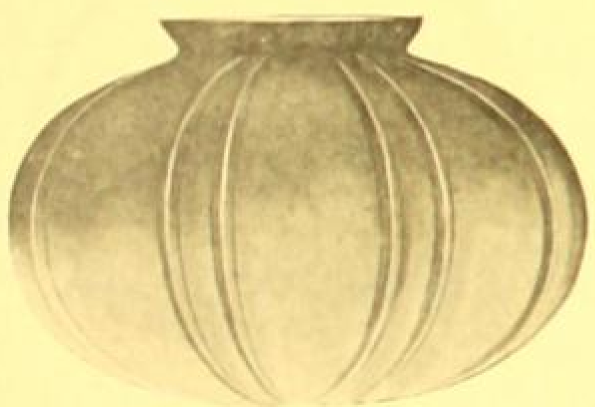


No. 8614 Ball
Black line
6 x 3¼ inch holder

No. 8655
6 x 3¼ inch holder
7 x 3¼ ,, ,,



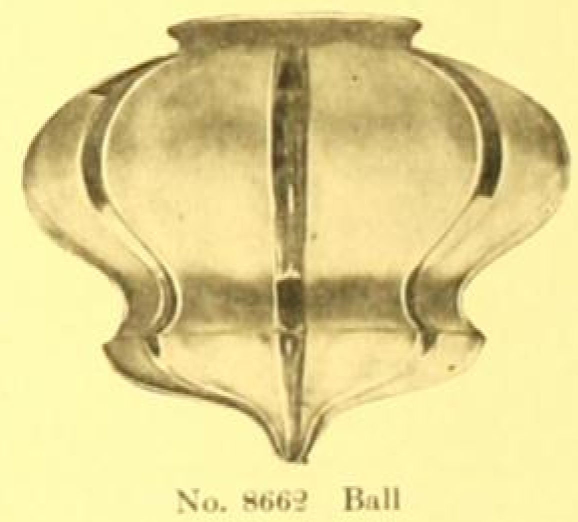
No. 8762 Ball
5¾ x 3¼ inch holder



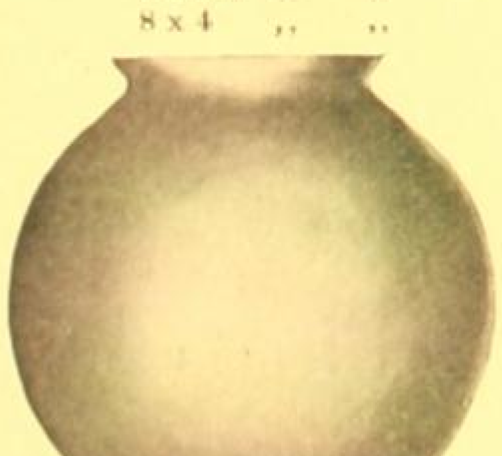
No. 8659 Ball
Roughed outside
6 x 3¼ inch holder
7 x 3¼ ,, ,,
8 x 4 ,, ,,

No. 8661 Ball
6 x 3¼ inch holder

No. 8656 Ball
7 x 3¼ inch holder



No. 8662 Ball
7 x 3¼ inch holder



No. 8600
Roughed inside
6 x 3¼ inch holder
7 x 3¼ or 4 inch holder
8 x 3¼ ,, 4 ,, ,,
10 x 3¼, 4 or 5 inch holder
12 x 3¼, 4, 5 or 6 inch holder

No. 8605
Opalescent Twist
6 x 3¼ inch holder
7 x 3¼ or 4 inch holder
8 x 3¼ ,, 4 ,, ,,
10 x 3¼, 4 or 5 inch holder

No. 8660
Roughed inside
6 x 3¼ inch holder
8 x 4 ,, ,,

No. 8601
Cut Star
6 x 3¼ inch holder
7 x 3¼ or 4 inch holder
8 x 3¼ ,, 4 ,, ,,

No. 8712 Electric

No. 8745 Electric

No. 8580 Electric

No. 8758 Electric

No. 8749 Electric

No. 8753 Electric

No. 8517 Electric*
No. 8517½ Gas

No. 8586 Electric
No. 8586½ Gas

No. 8556 Electric
No. 8556½ Gas

No. 8565 Electric
No. 8565½ Gas

No. 8532 Electric
No. 8532½ Gas

No. 8776 Electric
No. 8776½ Gas

No. 8774 Electric
No. 8774½ Gas

No. 8573 Electric
No. 8573½ Gas

No. 8719 Electric
No. 8719½ Gas

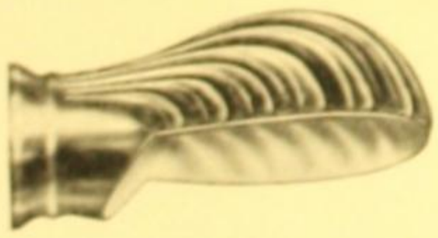
No. 8708 Electric
No. 8708½ Gas

No. 8721 Electric
No. 8721½ Gas

No. 8506 Electric
No. 8506½ Gas

No. 8537
Red, Green or Amber Tint

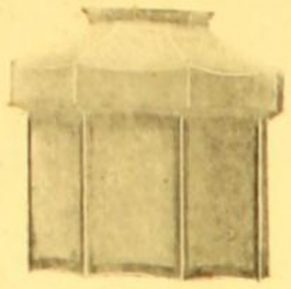
No. 8714 Electric
No. 8714½ Gas



No. 8674
½ Green Porcelain,
opal lined

No. 521 Green Porcelain,
opal lined
8 inch holder, 10 inches diameter
10 " " 12 " "

No. 8625
Imported Green Porcelain,
opal lined
7 x 2¼ inch holder
10 x 2¼ " "



No. 8757 Electric

No. 8728 Electric

No. 8755 Electric

No. 8782 Electric

No. 8585 Electric

No. 8589 Electric

No. 8717 Electric

No. 8733 Electric

No. 8533 Electric
No. 8533½ Gas

No. 8515 Electric
No. 8515½ Gas

No. 8561 Electric
No. 8561½ Gas

No. 8534 Electric
No. 8534½ Gas

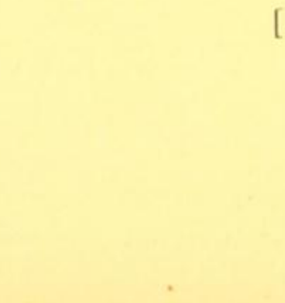
No. 8557 Electric
No. 8557½ Gas

No. 8761 Electric

No. 8742 Electric

No. 8582 Electric
No. 8582½ Gas

No. 8779 Electric



No. 8750 Electric

No. 8781 Electric

No. 8574 Electric
No. 8574½ Gas

No. 8780 Electric
3¼ inch holder

No. 8718 Electric

No. 8528 Electric
No. 8528½ Gas

No. 8739 Electric

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Electric Ceiling

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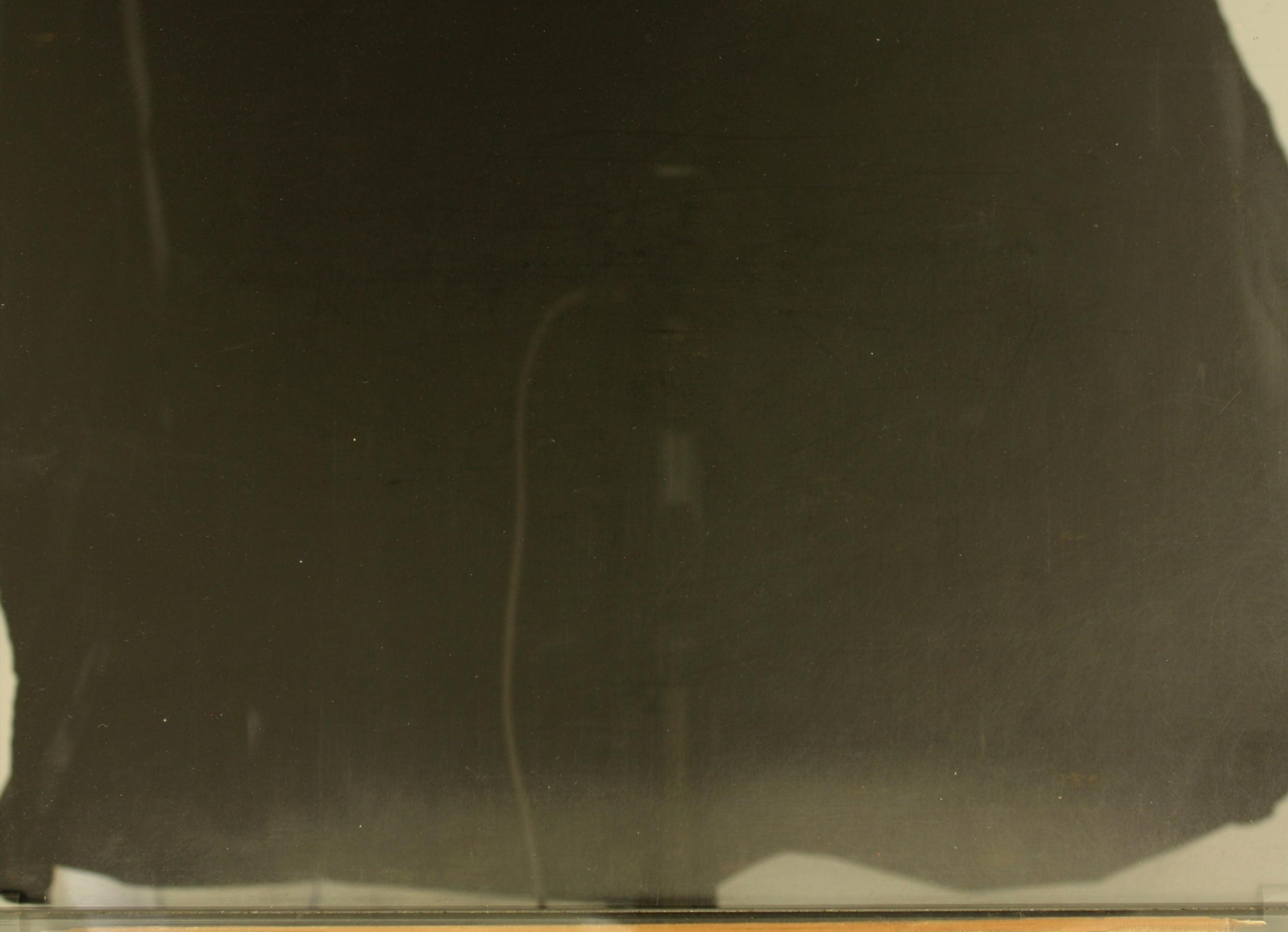
The Barta Press, Boston



FIXTURE SUPPLEMENT

May 29 1913
Mr. H. B. Hackett

FIXTURE SUPPLEMENT

TO NO. 14 ELECTRICAL &
NO. 5 FIXTURE CATALOGS

PETTINGELL-ANDREWS CO.
BOSTON

Foreword

IN this Supplement to No. 14 Electrical and No. 5 Fixture Catalogs, we show commercial fixtures for which space in the No. 14 was not available. And we have also included those recent developments in the fixture field since the issue of our No. 5—admittedly the most complete of all fixture catalogs.

Thus there has been brought together, under this cover, a line of medium-price and inexpensive fixtures, all of which we carry in stock for immediate shipment. This Supplement has been made of a size for convenient insertion within the covers of the No. 5 catalog. Used together, they provide our dealers with the strongest line of fixtures, of broadest scope in design, style, and price, yet offered by any manufacturer.

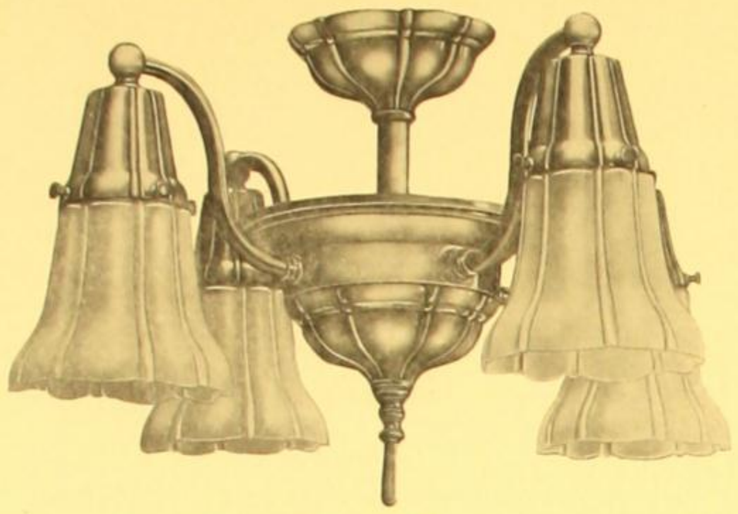
Important Notice

All fixtures and glassware shown in this Supplement are carried in stock for immediate delivery.

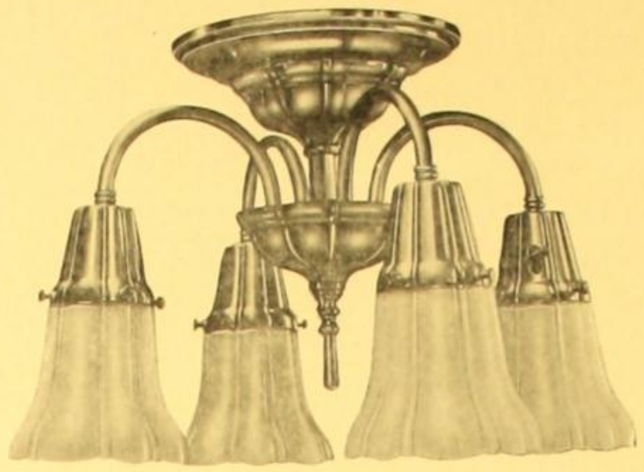
Numbers, dimensions, and other information have been included with the illustrations of the fixtures themselves.

Under each fixture are noted the finishes in which it is carried in stock. All other finishes are special and subject to an extra charge.

Prices and other information will be found in Price Lists applying to this Supplement, which will be furnished on request—subject to the same conditions governing Price Lists for the No. 5 Catalog.

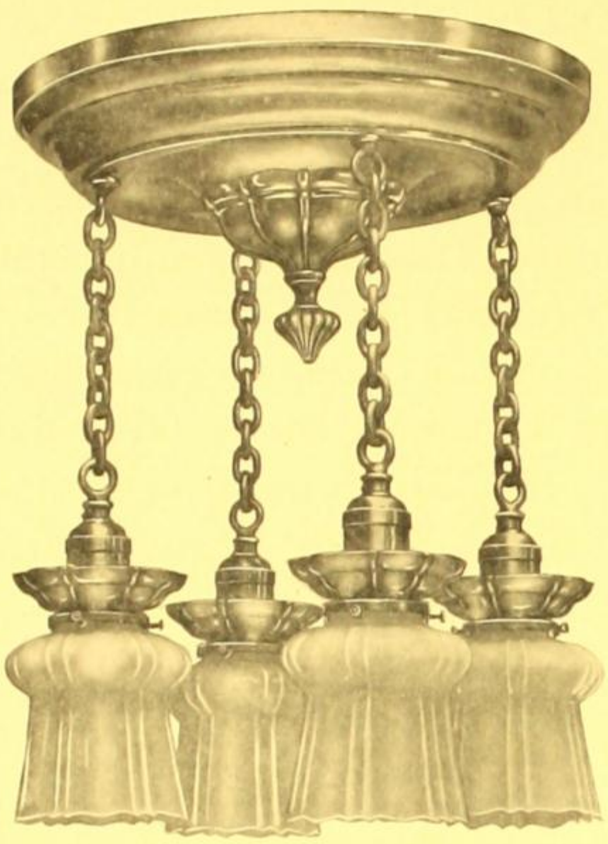


No. 13137–S
Scale, 1-5 full size
Spread, 15 inches
Length, 9 1-2 inches overall
Finish, Old Brass and Black

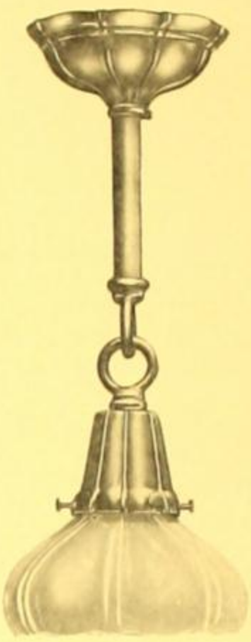


No. 13136–S
Scale, 1-6 full size
Spread, 12 inches
Length, 12 inches overall
Finish, Old Brass and Black

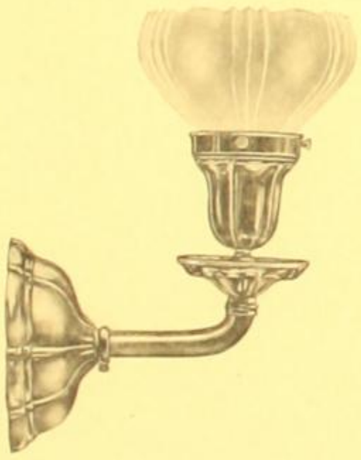
No. 13140–S
Scale, 1-5 full size
Ceiling plate,
7 1-2 inches long
Length, 15 inches overall
Finish, Old Brass and Black



No. 13161–S
Scale, 1-5 full size
Ceiling plate, 14 inches diameter
Length, 17 1-2 inches overall
Finish, Old Brass and Black

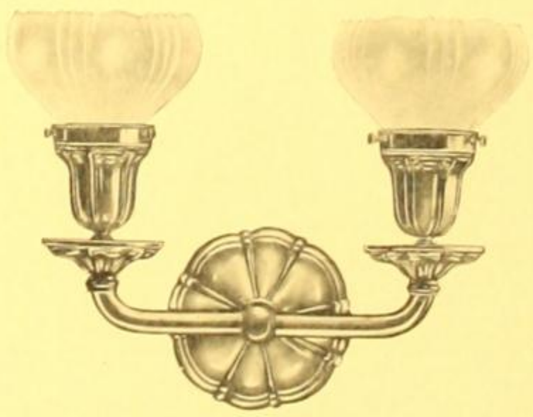


No. 13141–S
Scale, 1-5 full size
Length, 17 inches overall
Finish, Old Brass and Black



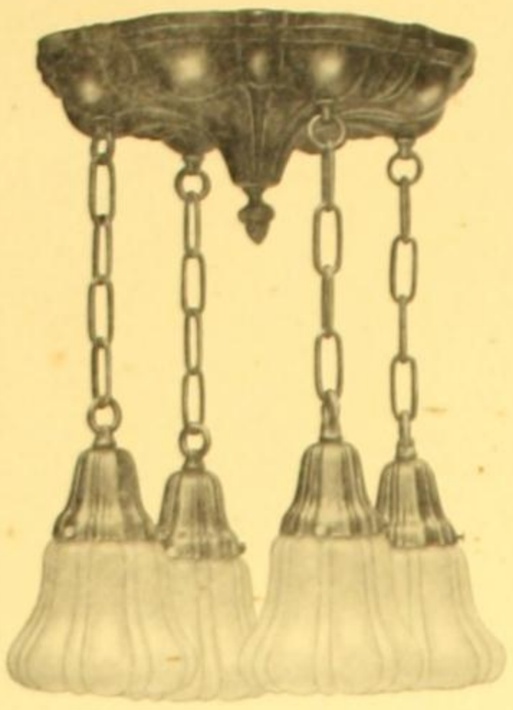
No. 15201–S
Scale, 1-5 full size
Extension, 6 inches
Finish, Old Brass and Black

No. 13139–S
Scale, 1-5 full size
Ceiling plate, 7 1-2 inches diameter
Length, 15 1-2 inches overall
Finish, Old Brass and Black

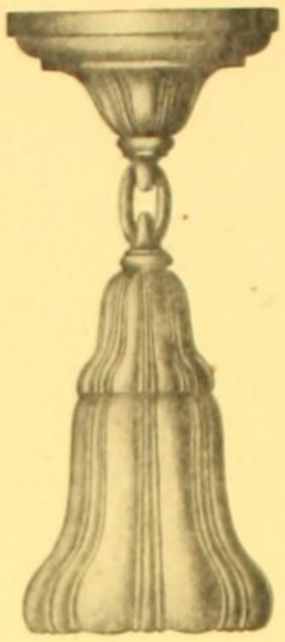


No. 15202–S
Scale, 1-5 full size
Spread, 8 1-2 inches
Extension, 7 inches
Finish, Old Brass and Black

66336

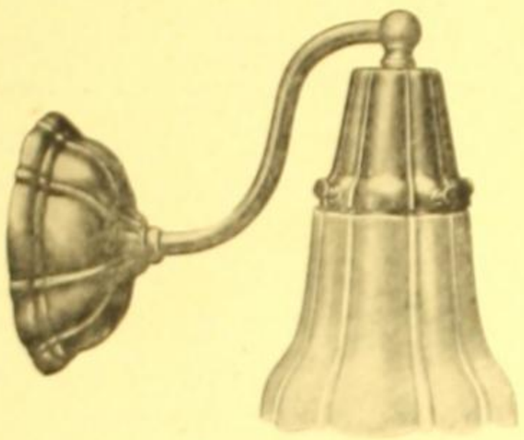


No. 13146–S
Scale, 1-5 full size
Ceiling plate, 10 inches diameter
Length, 17 inches overall
Finish, Flemish Old Brass

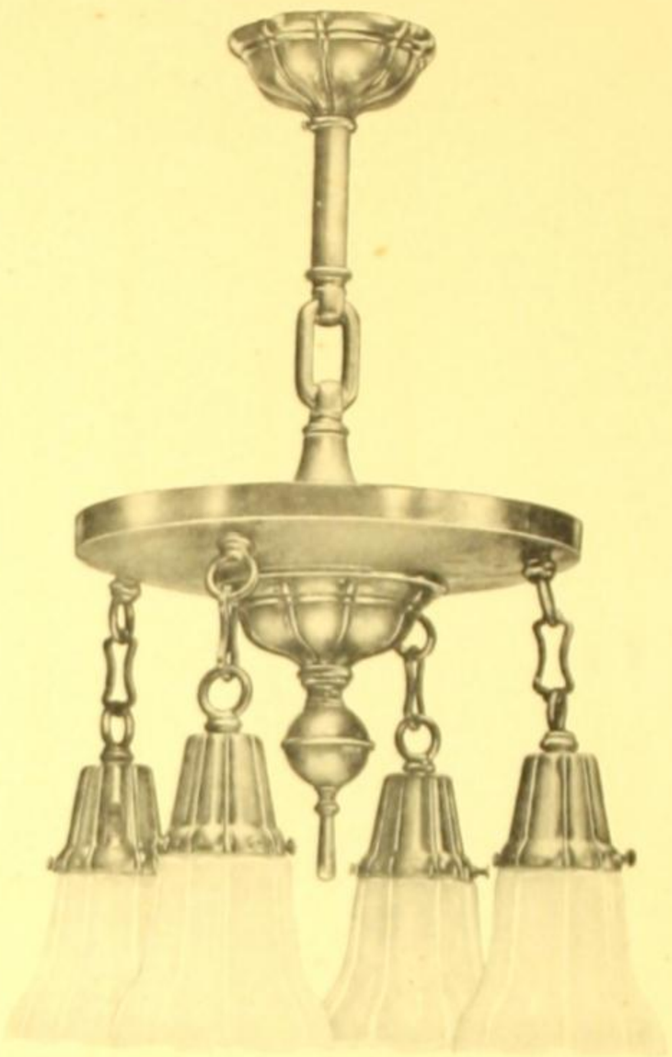


No. 13122–S
Scale, 1-4 full size
Length, 12 inches overall
Finish, Old Brass and Black

No. 13142–S
Scale, 1-5 full size
Ceiling plate, 7 1-2 inches long
Length, 14 inches overall
Finish, Old Brass and Black



No. 15199–S
Scale, 1-4 full size
Extension, 7 inches
Finish, Old Brass and Black



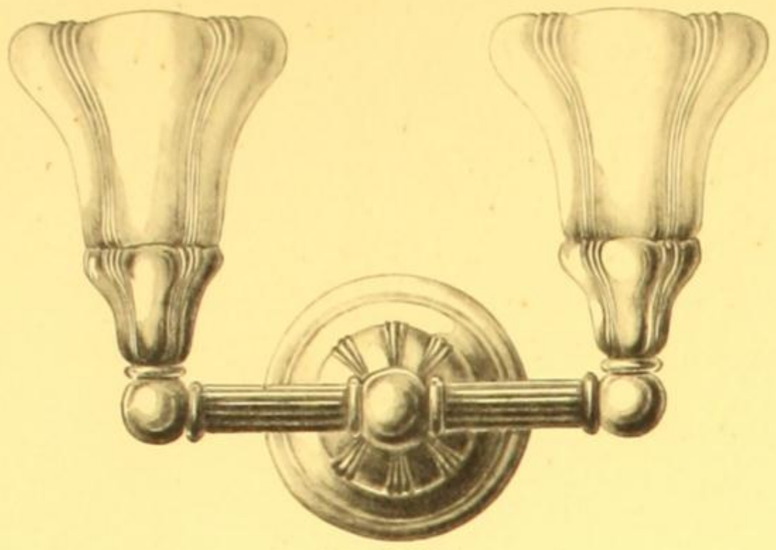
No. 13143–S
Scale, 1-5 full size
Spread, 10 inches
Length, 23 1-2 inches overall
Finish, Old Brass and Black

No. 13135–S
Scale, 1-5 full size
Length, 15 inches overall
Finish, Old Brass and Black

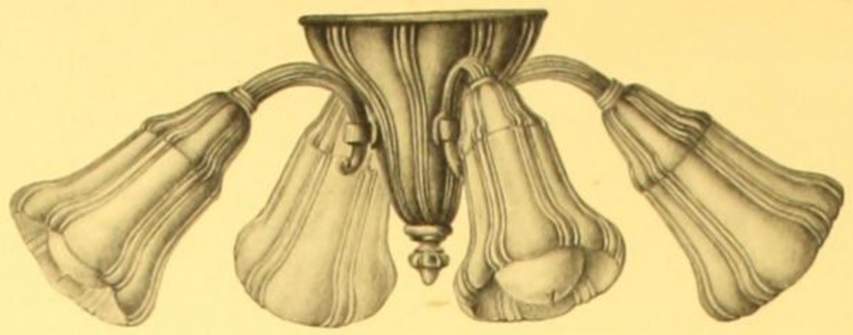
No. 15026–S
Scale, 1-5 full size
Spread, 8 1-2 inches
Finish, Old Brass and Black

No. 13151–S
Scale, 1-5 full size
Canopy, 8 inches long
Length, 16 inches overall
Finish, Old Brass

No. 15025–S
Scale, 1-5 full size
Extension, 7 inches
Finish, Old Brass and Black

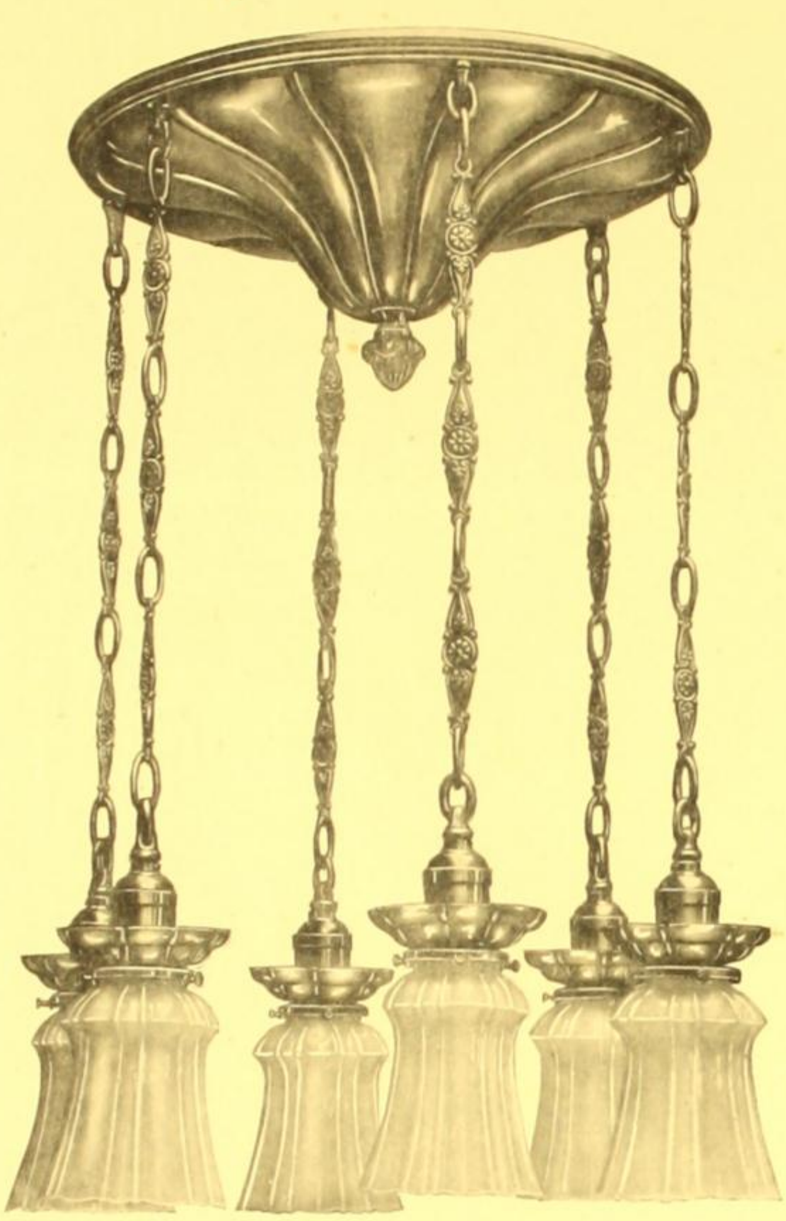


No. 15028–S
Scale, 1-4 full size
Spread, 9 inches
Finish, Old Brass and Black

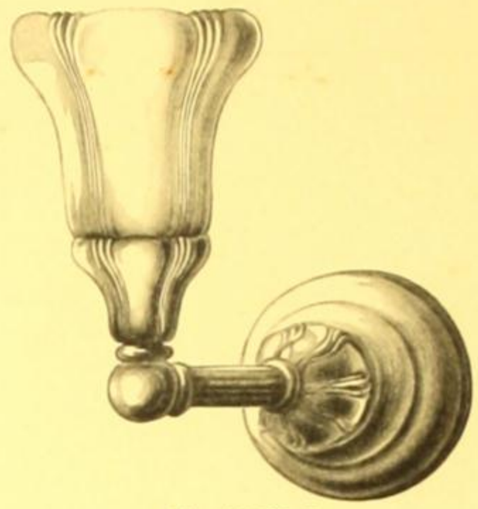


No. 13085–S
Scale, 1-5 full size
Spread, 9 1-2 inches
Length, 7 inches
Finish, Old Brass and Black

No. 13144–S
Scale, 1-5 full size
Length, 21 inches overall
Finish, Old Brass



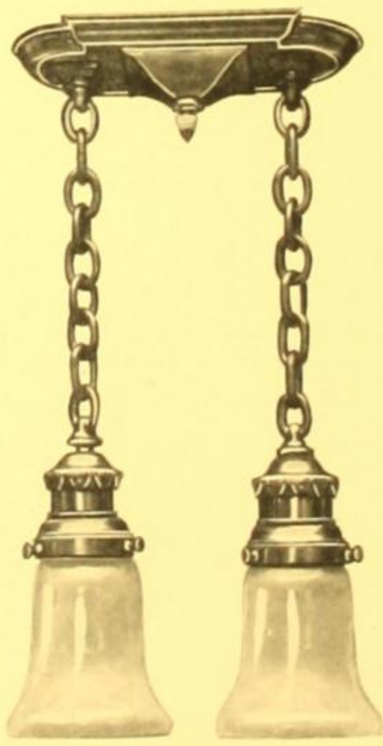
No. 13167–S
Scale, 1-5 full size
Ceiling plate, 15 inches diameter
Length, 26 1-2 inches overall
Finish, Old Brass and Black



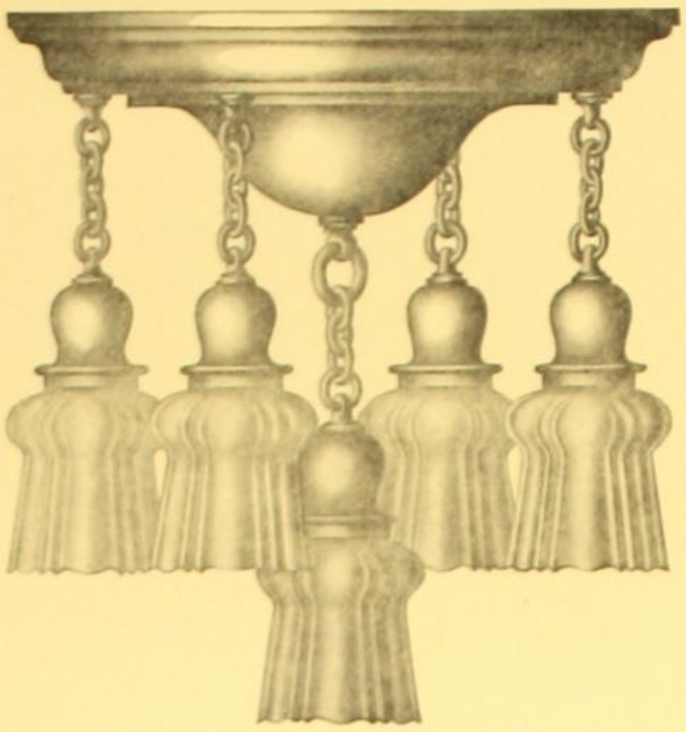
No. 15027–S
Scale, 1-4 full size
Extension, 5 1-2 inches
Finish, Old Brass and Black

No. 13166–S
Scale, 1-5 full size
Spread, 8 inches
Length, 23 1-2 inches overall
Finish, Old Brass and Black

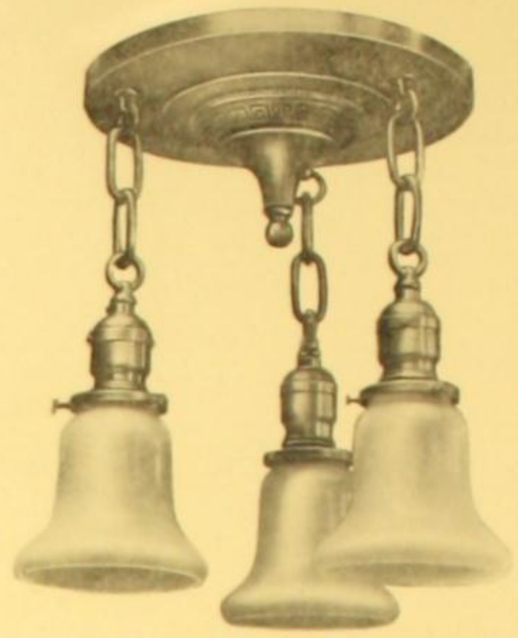
No. 13170–S
Ceiling plate, 10 1-2 inches diameter
Length, 10 inches overall
Finish, Old Brass and Black



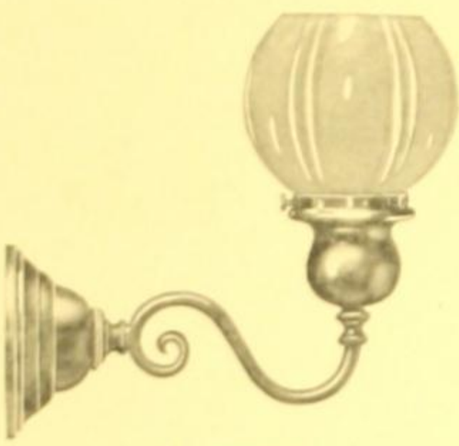
No. 13150–S
Scale, 1-5 full size
Ceiling plate, 8 inches long
Length, 16 inches overall
Finish, Old Brass



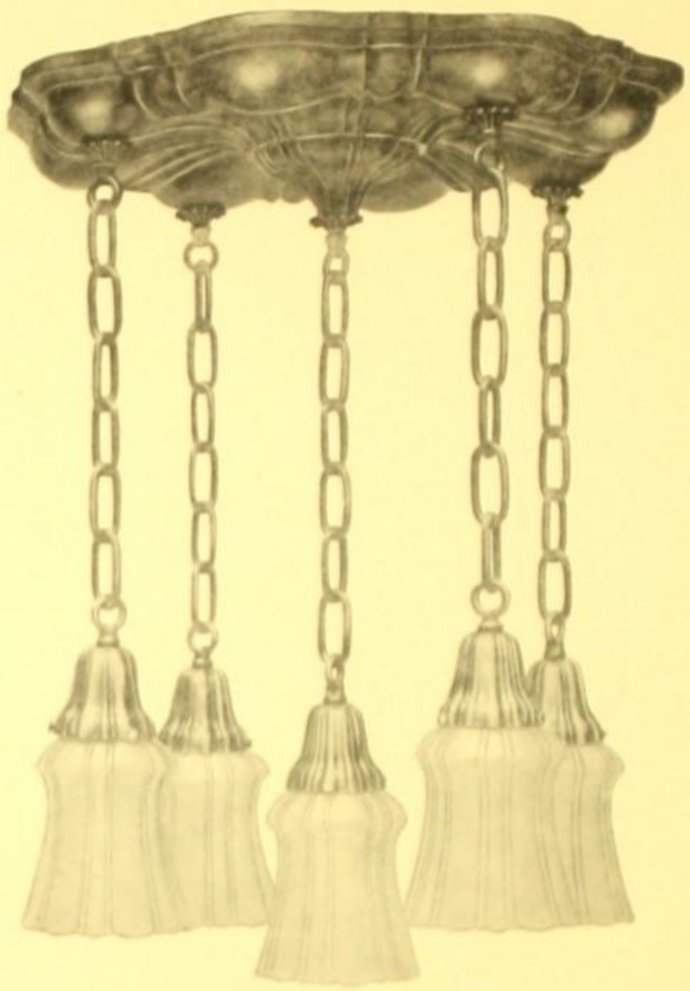
No. 13084–S
Scale, 1-4 full size
Ceiling plate, 16 inches diameter
Length, 17 inches overall
Finish, Old Brass



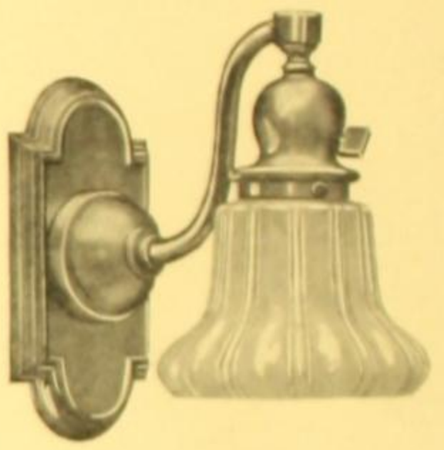
No. 13162–S
Scale, 1-5 full size
Ceiling plate, 9 inches diameter
Length, 13 1-2 inches overall
Finish, Old Brass



No. 15215–S
Scale, 1-5 full size
Extension, 8 inches
Finish, Old Brass

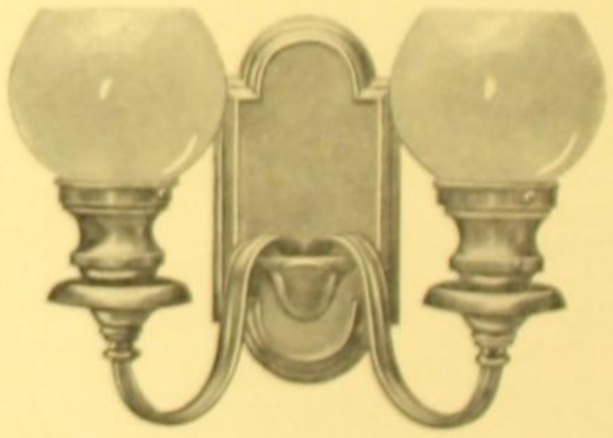


No. 13145–S
Scale, 1-5 full size
Ceiling plate, 16 inches diameter
Length, 23 1-2 inches overall
Finish, Flemish Old Brass



No. 15217–S
Scale, 1-5 full size
Canopy, 8 inches long
Extension, 7 inches
Finish, Old Brass

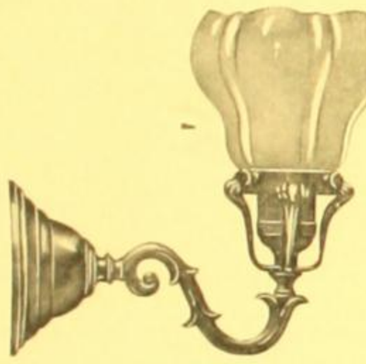
No. 13168–S
Scale, 1-5 full size
Spread, 10 inches
Length, 11 inches overall
Finish, Old Brass



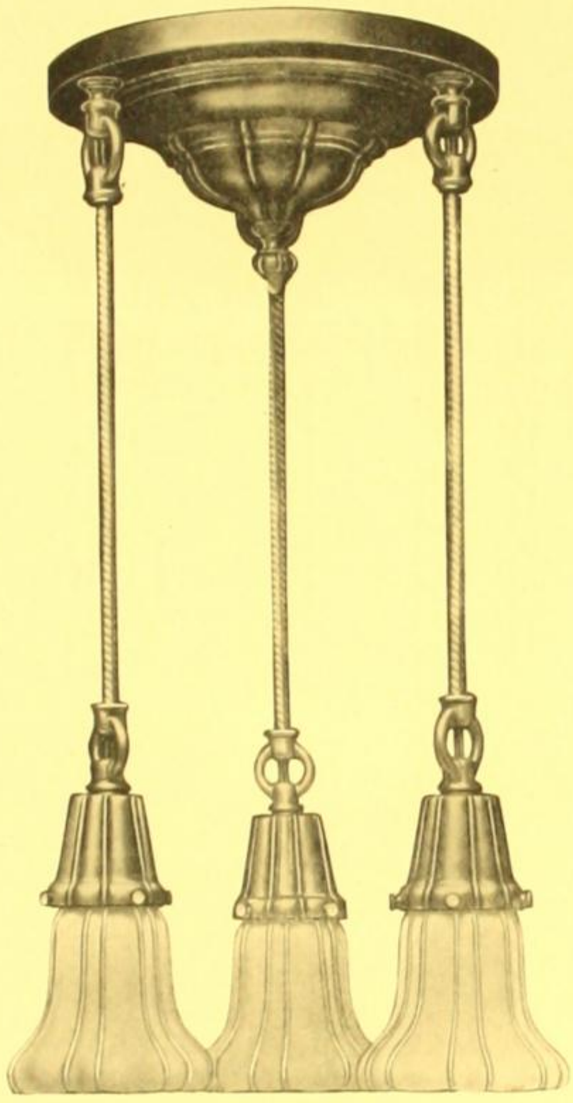
No. 15216–S
Scale, 1-5 full size
Canopy, 8 inches long
Spread, 8 inches
Finish, Old Brass

No. 13156–S
Scale, 1-5 full size
Spread, 14 inches
Length, 21 inches
Finish, Old Brass

No. 13154–S
Scale, 1-5 full size
Spread, 13 inches
Length, 13 inches overall
Finish, Old Brass



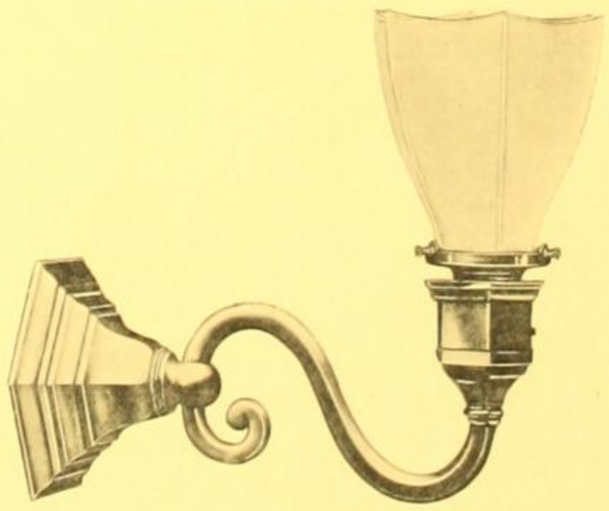
No. 15207–S
Scale, 1-5 full size
Extension, 7 inches
Finish, Old Brass



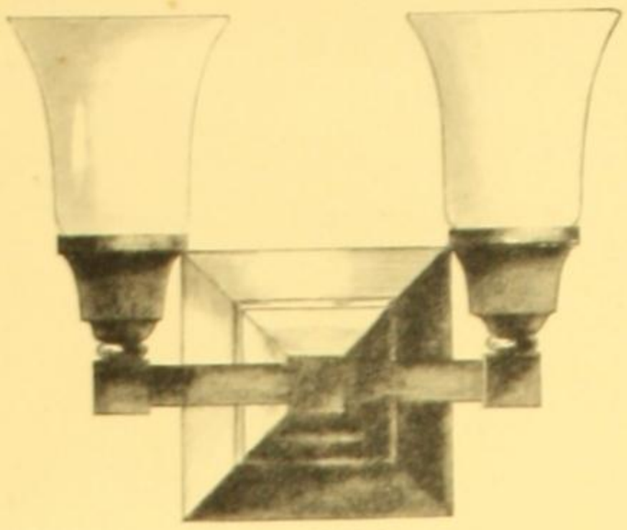
No. 13169–S
Scale, 1-5 full size
Ceiling plate, 11 inches diameter
Length, 25 inches overall
Finish, Old Brass and Black

No. 13164–S
Scale, 1-5 full size
Length, 16 inches overall
Finish, Old Brass

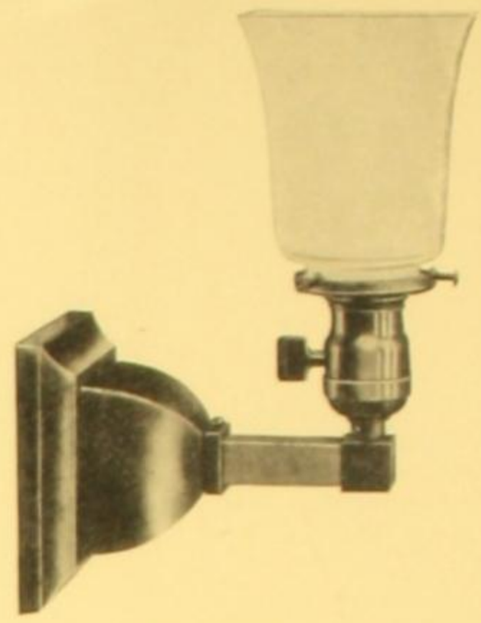
No. 13163–S
Scale, 1-5 full size
Spread, 13 inches
Length, 16 inches overall
Finish, Old Brass



No. 15211–S
Scale, 1-4 full size
Extension, 8 1-2 inches
Finish, Old Brass

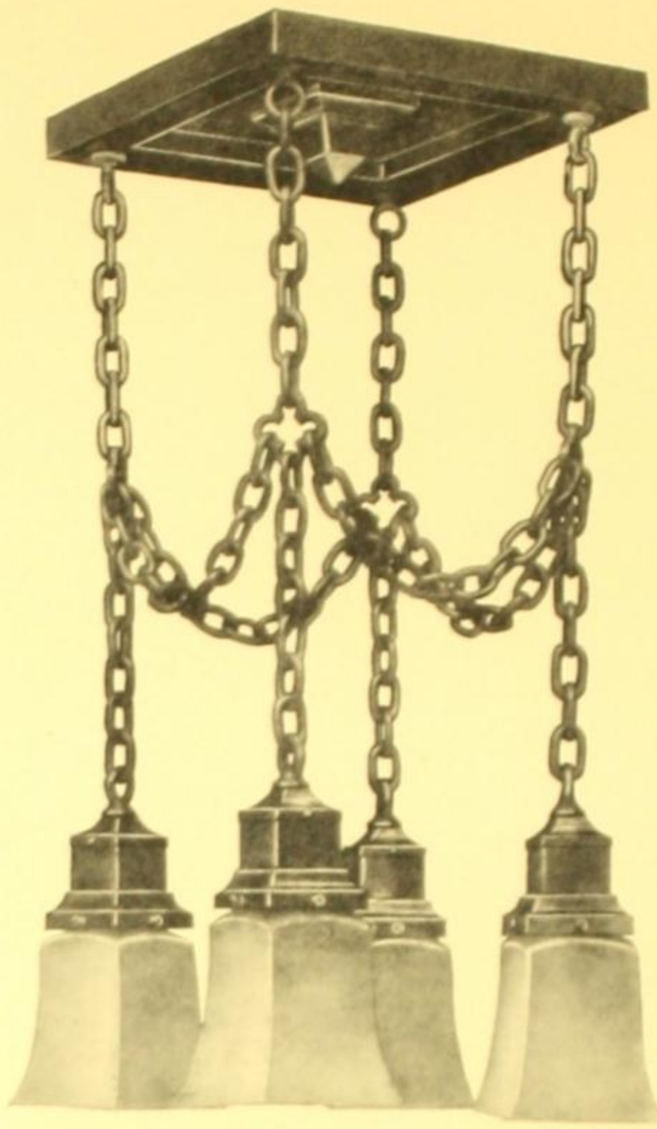


No. 15007–S
Scale, 1-5 full size
Spread, 9 inches
Finish, Old Brass

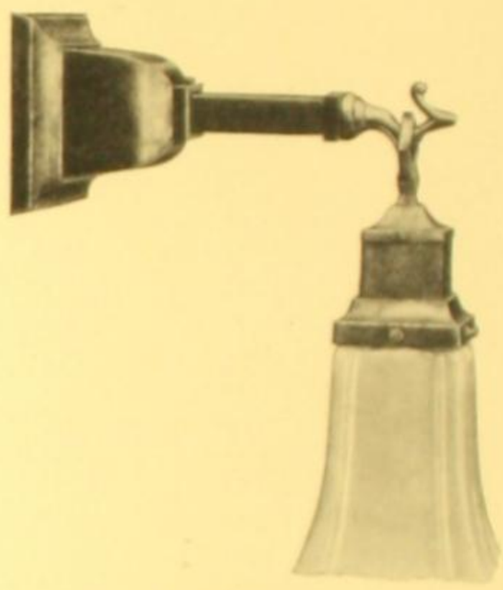


No. 15210–S
Scale, 1-4 full size
Extension, 6 inches
Finish, Old Brass

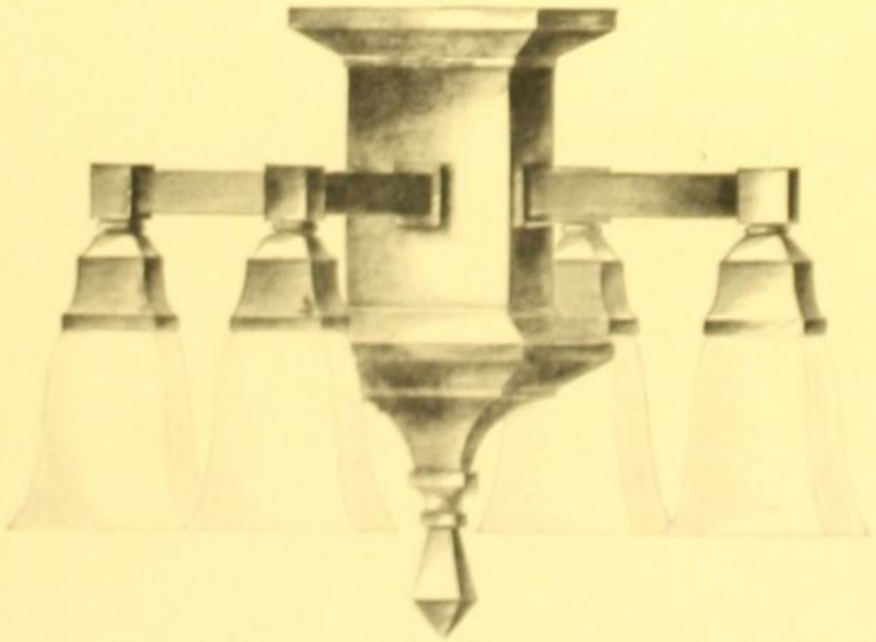
No. 13016–S
Scale, 1-4 full size
Length, 13 inches overall
Finish, Old Brass



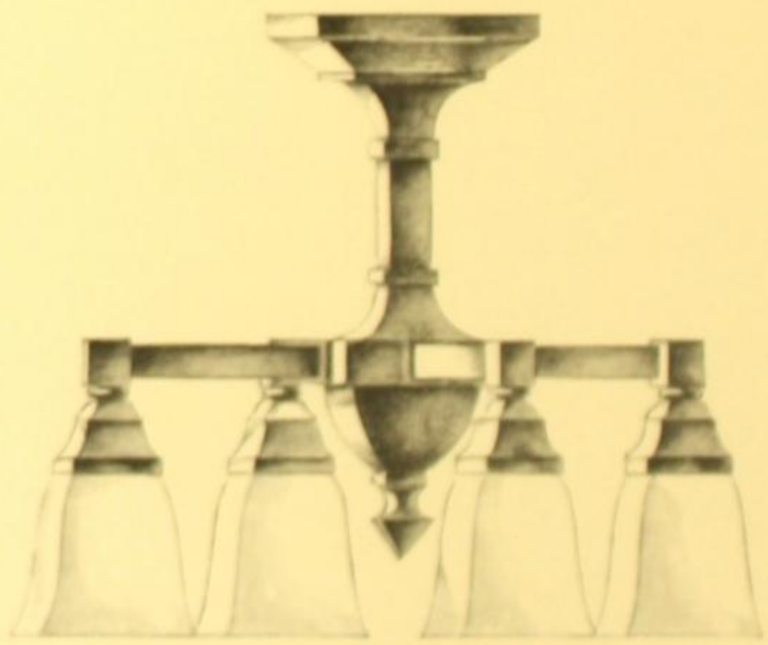
No. 13175–S
Scale, 1-5 full size
Ceiling plate, 10 inches square
Length, 24 inches overall
Finish, Old Brass



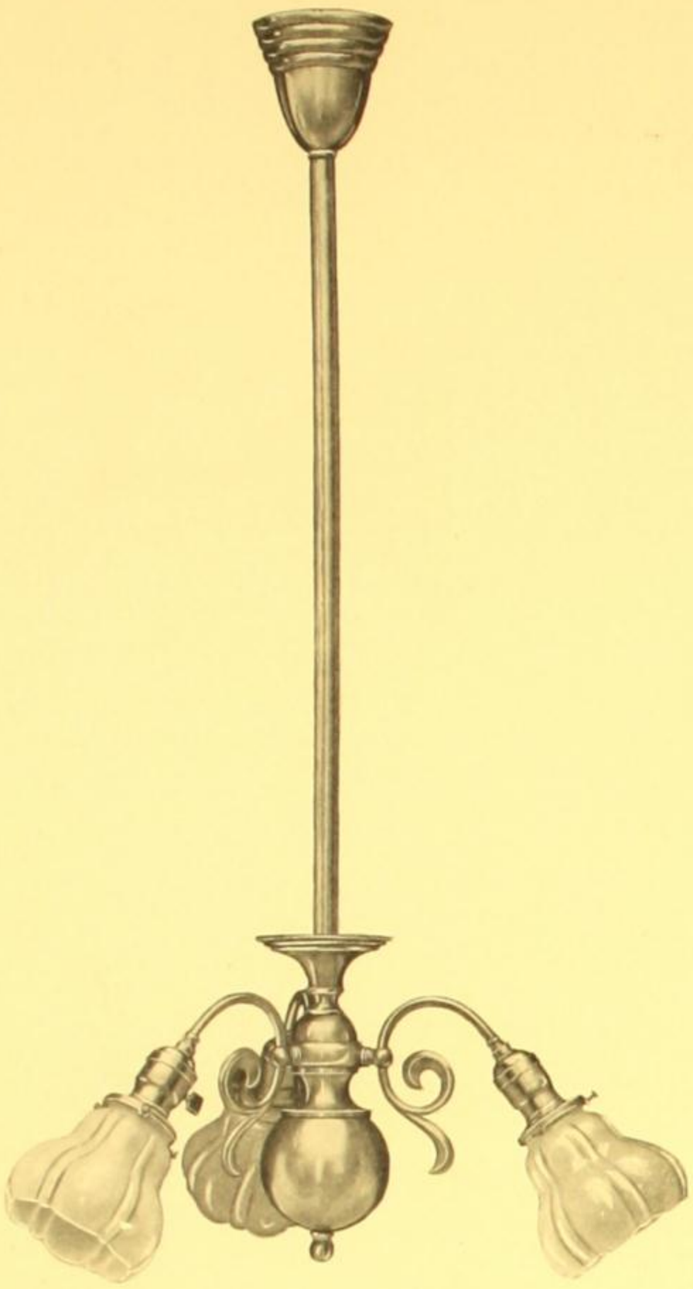
No. 15213–S
Scale, 1-5 full size
Extension, 8 inches
Finish, Old Brass



No. 13007–S
Scale, 1-4 full size
Spread, 13 inches
Length, 12 inches
Finish, Old Brass

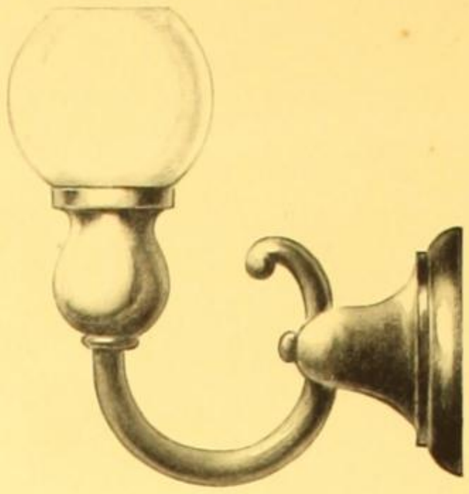


No. 13009–S
Scale, 1-5 full size
Spread, 14 inches
Length, 15 inches overall
Finish, Old Brass

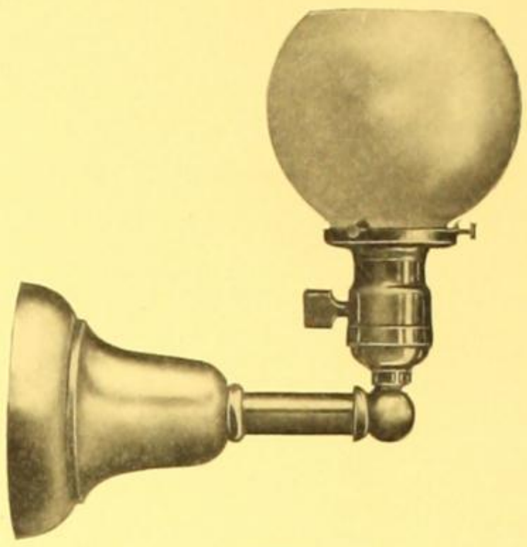


No. 10060–S
Scale, 1-5 full size
Spread, 11 inches
Length, 36 inches

No. 13006–S
Scale, 1-4 full size
Ceiling plate, 8 1-2 inches diameter
Length, 11 inches
Finish, Old Brass



No. 15024–S
Scale, 1-4 full size
Extension, 7 inches
Finish, Old Brass



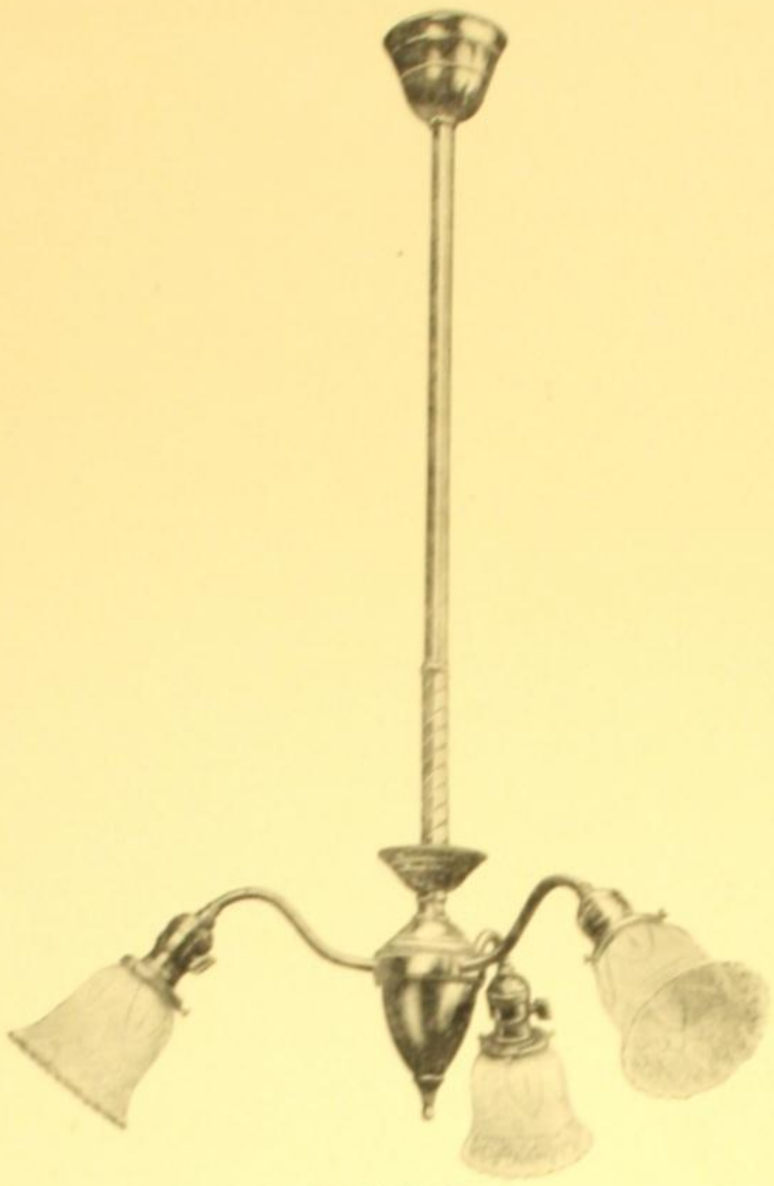
No. 15209–S
Scale, 1-4 full size
Extension, 7 inches
Finish, Old Brass

No. 13012–S
Scale, 1-4 full size
Length, 9 inches overall
Finish, Old Brass

No. 13165–S
Scale, 1-6 full size
Spread, 10 inches
Length, 11 inches overall
Finish, Old Brass

No. 10061–S
Scale, 1-5 full size
Spread, 12 inches
Length, 36 inches
Finish, Old Brass and Black

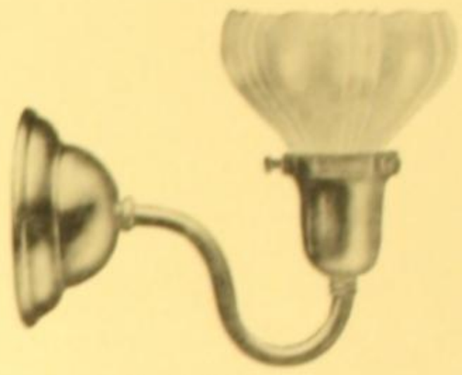
No. 15203–S
Scale, 1-5 full size
Spread, 10 1-2 inches
Finish, Old Brass



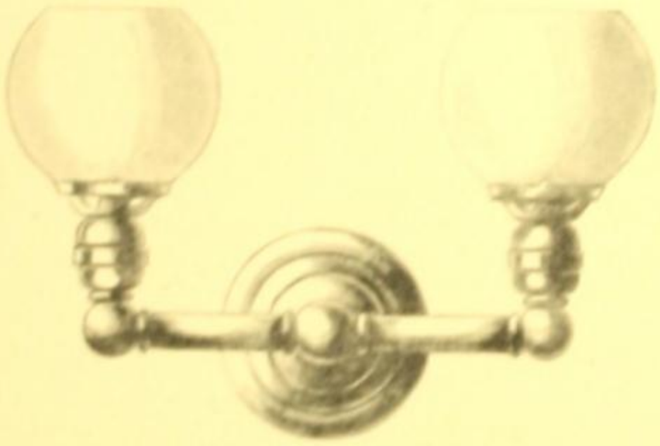
No. 10025–S
Scale, 1-5 full size
Spread, 14 inches
Length, 36 inches
Finish, Old Brass

No. 13018–S
Scale, 1-4 full size
Top, 6 1-2 inches
Finishes, Old Brass, Acid Bronze,
and Dull Copper

No. 15208–S
Scale, 1-4 full size
Extension, 7 inches
Finish, Old Brass



No. 15214–S
Scale, 1-4 full size
Extension, 6 1-2 inches
Finish, Old Brass

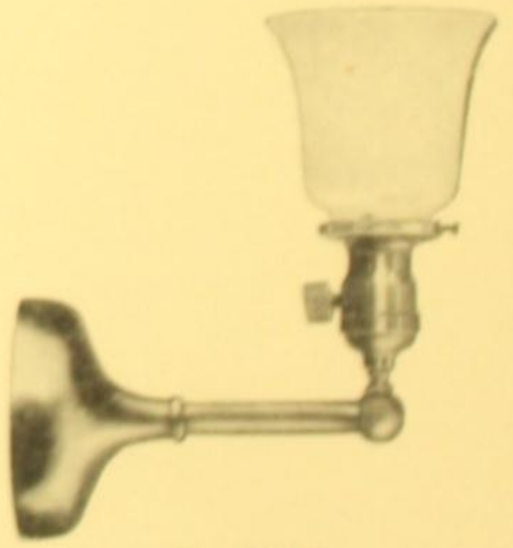


No. 15020–S
Scale, 1-4 full size
Spread, 8 1-2 inches
Finish, Old Brass

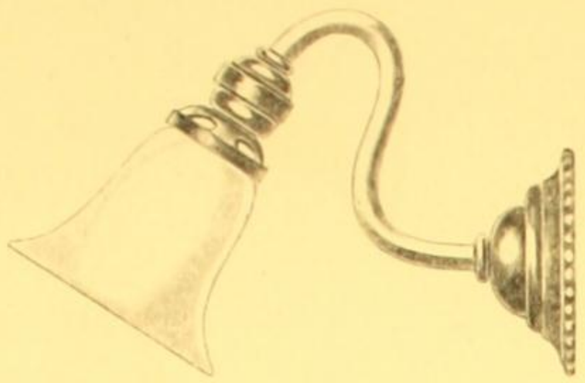
No. 15019–S
Scale, 1-4 full size
Extension, 6 inches
Finish, Old Brass

No. 13148–S
Scale, 1-4 full size
Top, 6 inches diameter
Made for use of a receptacle
Finishes, Old Brass and Copper

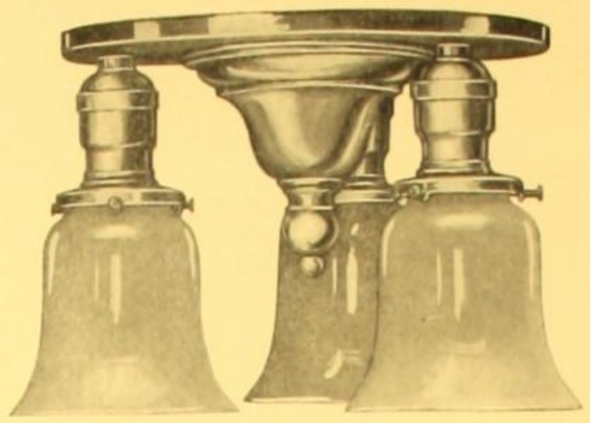
No. 10015–S
Scale, 1-6 full size
Spread, 14 inches
Length, 42 inches overall
Finish, Old Brass



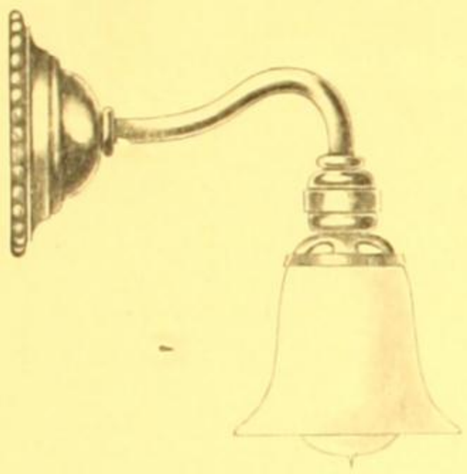
No. 15212–S
Scale, 1-4 full size
Extension, 7 inches
Finishes, Old Brass and Nickel



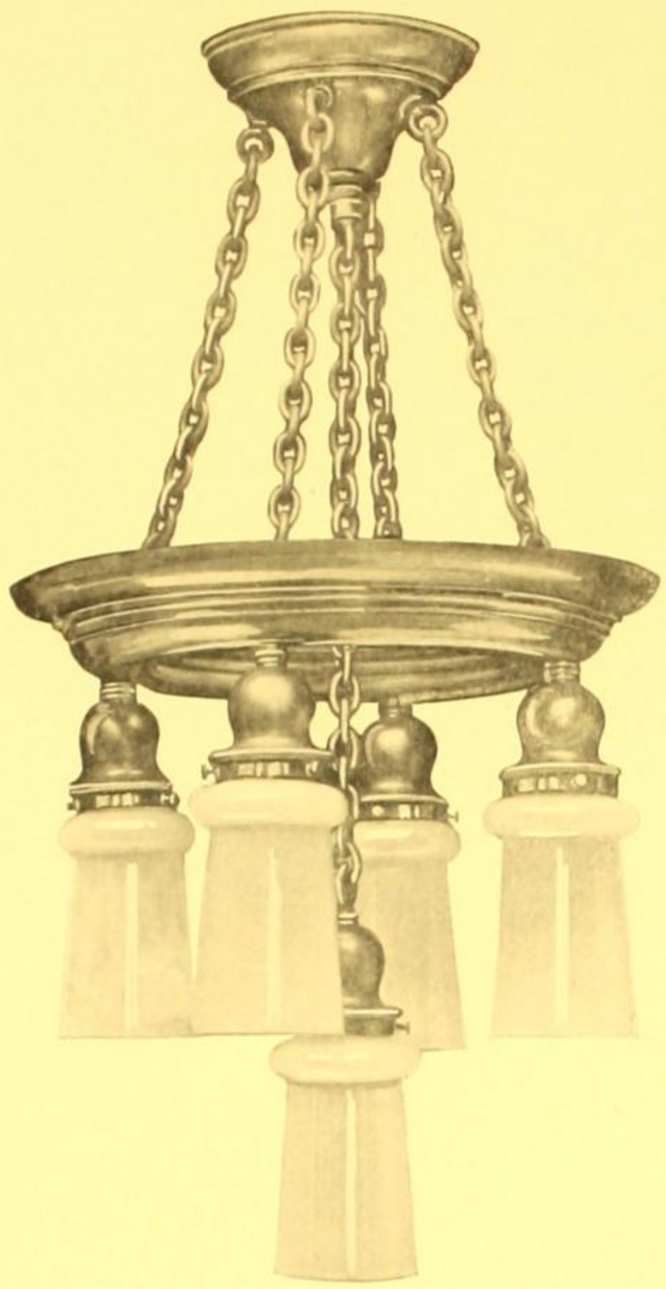
No. 15001–S
Scale, 1-4 full size
Extension, 6 inches
Finishes, Old Brass and Rich Gilt



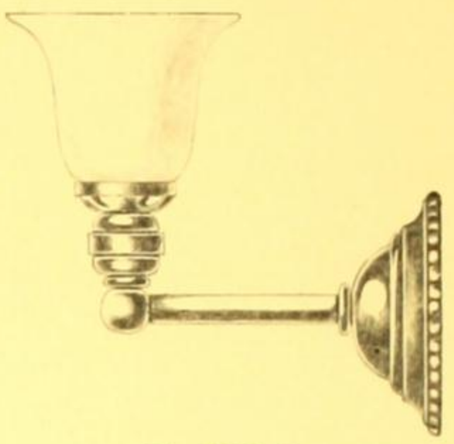
No. 13152–S
Scale, 1-4 full size
Ceiling plate, 9 inches diameter
Length, 7 1-2 inches overall
Finish, Old Brass



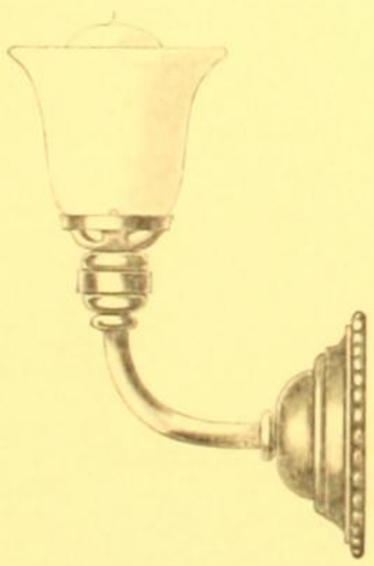
No. 15004–S
Scale, 1-4 full size
Extension, 6 inches
Finishes, Old Brass and Rich Gilt



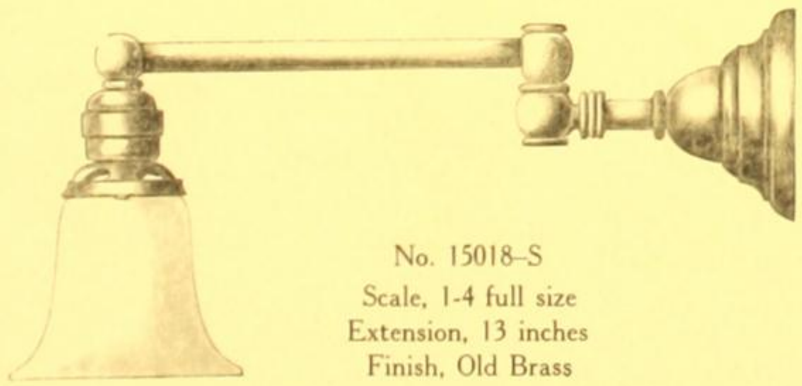
No. 13153–S
Scale, 1-5 full size
Ring, 15 inches diameter
Length, 22 1-2 inches overall
Finish, Old Brass



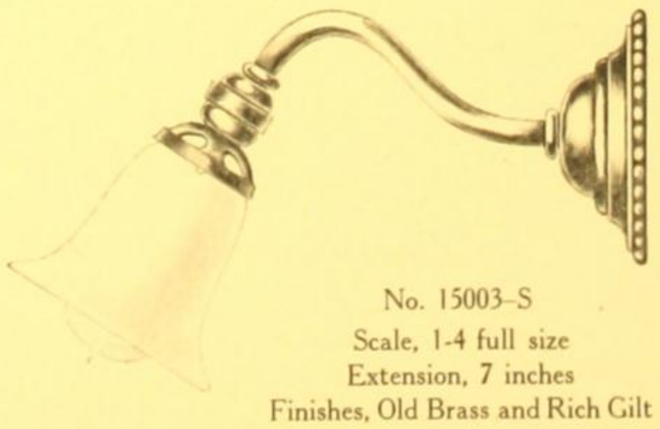
No. 15000–S
Scale, 1-4 full size
Extension, 6 inches
Finishes, Old Brass, Rich Gilt, and Nickel



No. 15002–S
Scale, 1-4 full size
Extension, 5 inches
Finishes, Old Brass and Rich Gilt

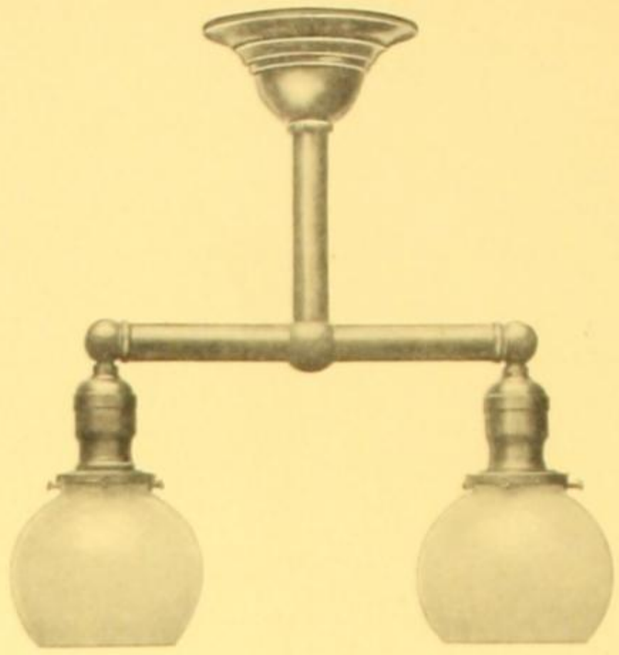


No. 15018–S
Scale, 1-4 full size
Extension, 13 inches
Finish, Old Brass

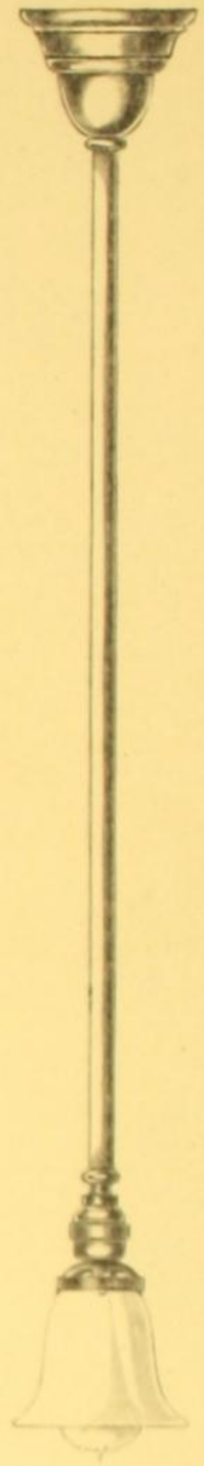


No. 15003–S
Scale, 1-4 full size
Extension, 7 inches
Finishes, Old Brass and Rich Gilt

No. 18002–S
Canopy only with bushing
Finish, Old Brass



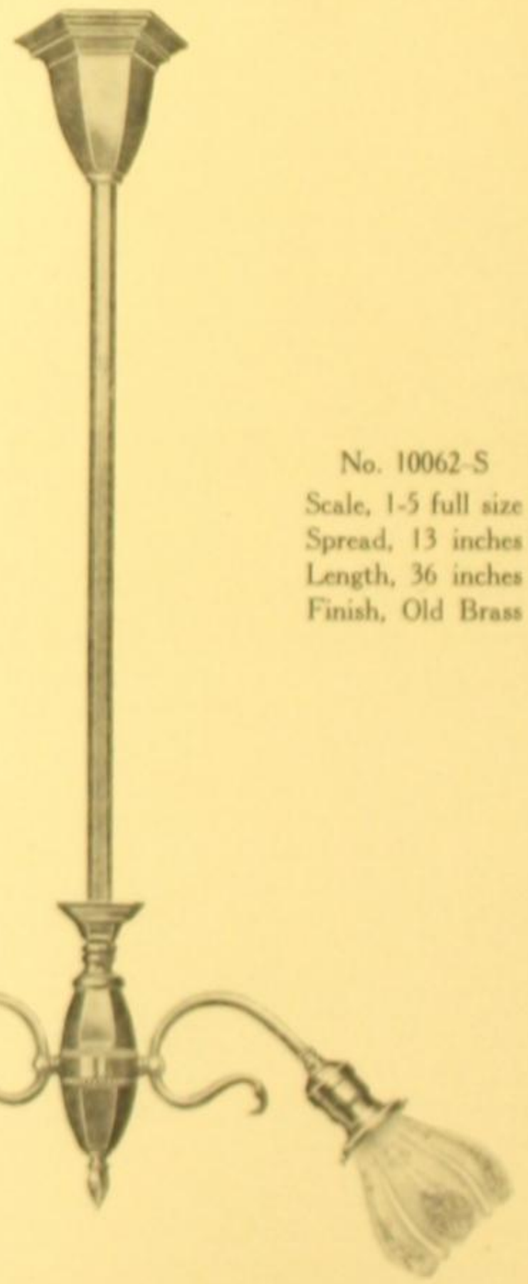
No. 13155–S
Scale, 1-4 full size
Spread, 10 inches
Length, 15 inches overall
Finish, Old Brass



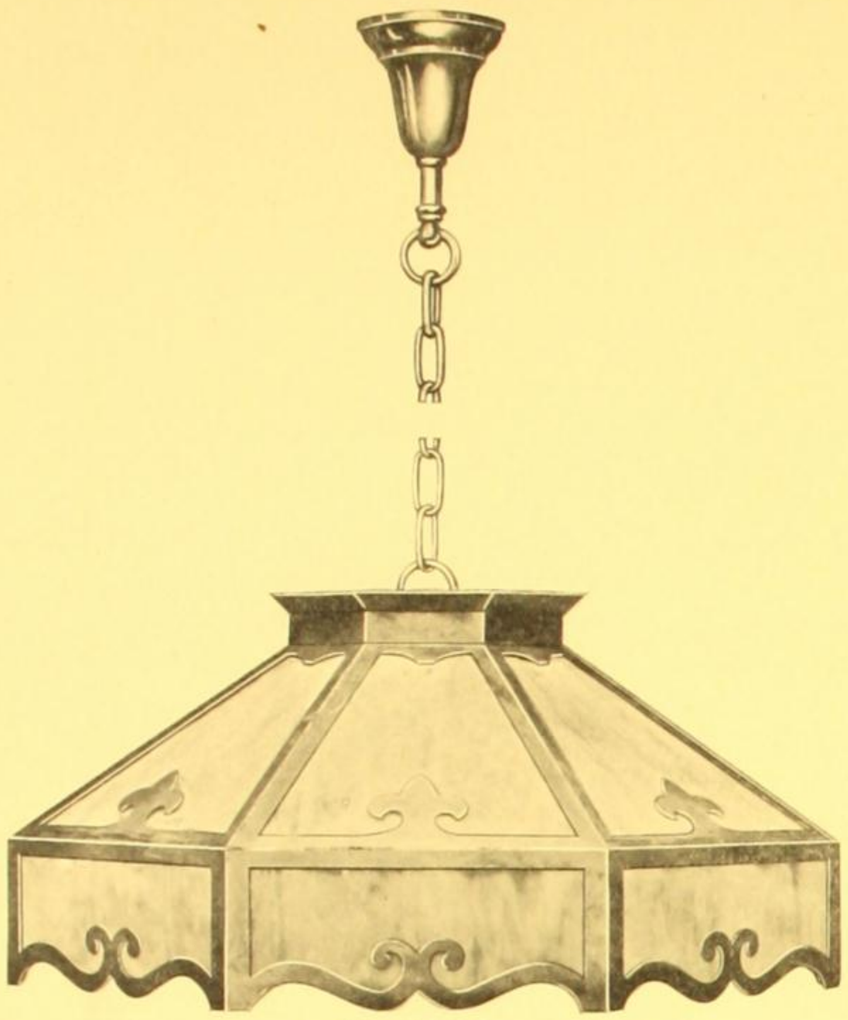
No. 18000–S
Scale, 1-5 full size
Length, 36 inches overall
Finish, Old Brass

No. 10063–S
Scale, 1-5 full size
Spread, 14 inches
Length, 36 inches
Finish, Old Brass and Black

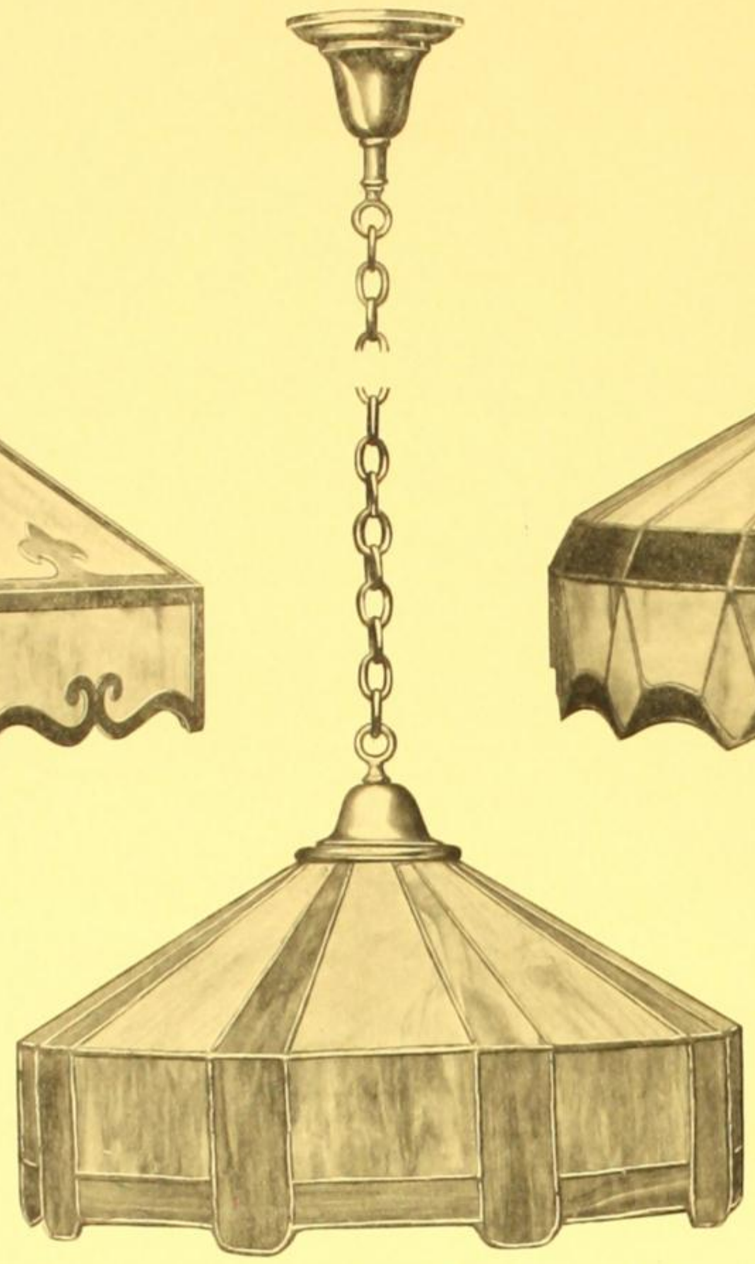
No. 10064–S
Scale, 1-5 full size
Spread, 14 1-2 inches
Length, 36 inches
Finish, Old Brass



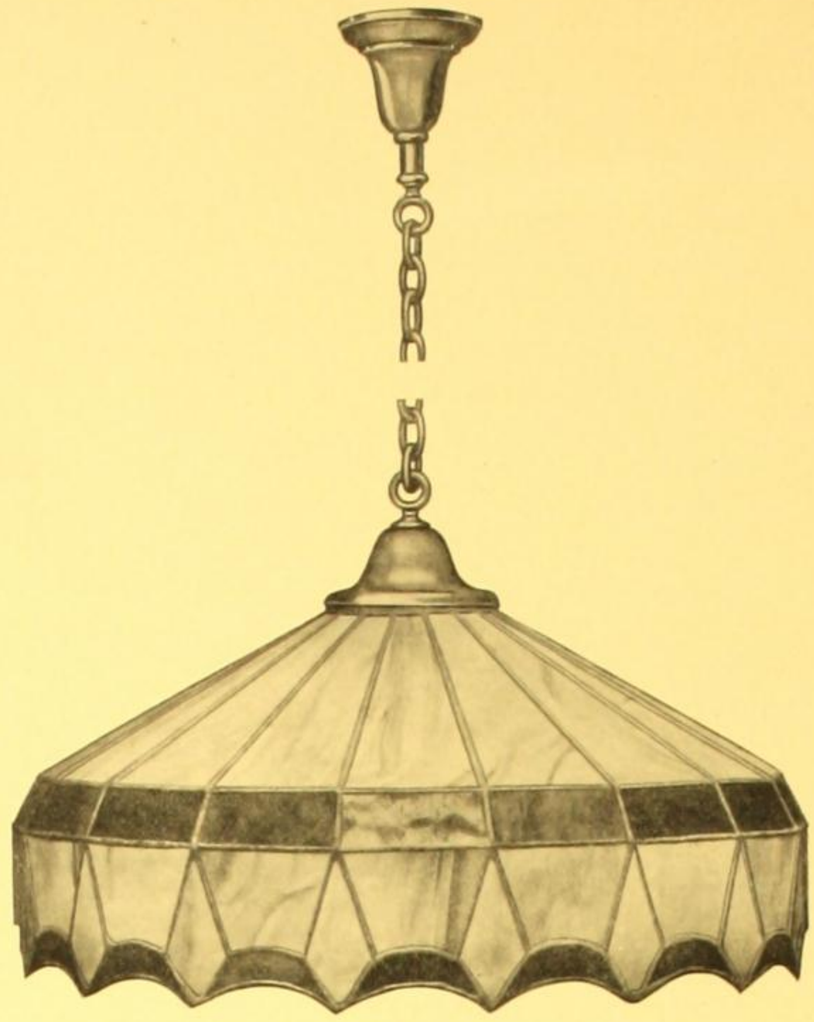
No. 10062–S
Scale, 1-5 full size
Spread, 13 inches
Length, 36 inches
Finish, Old Brass



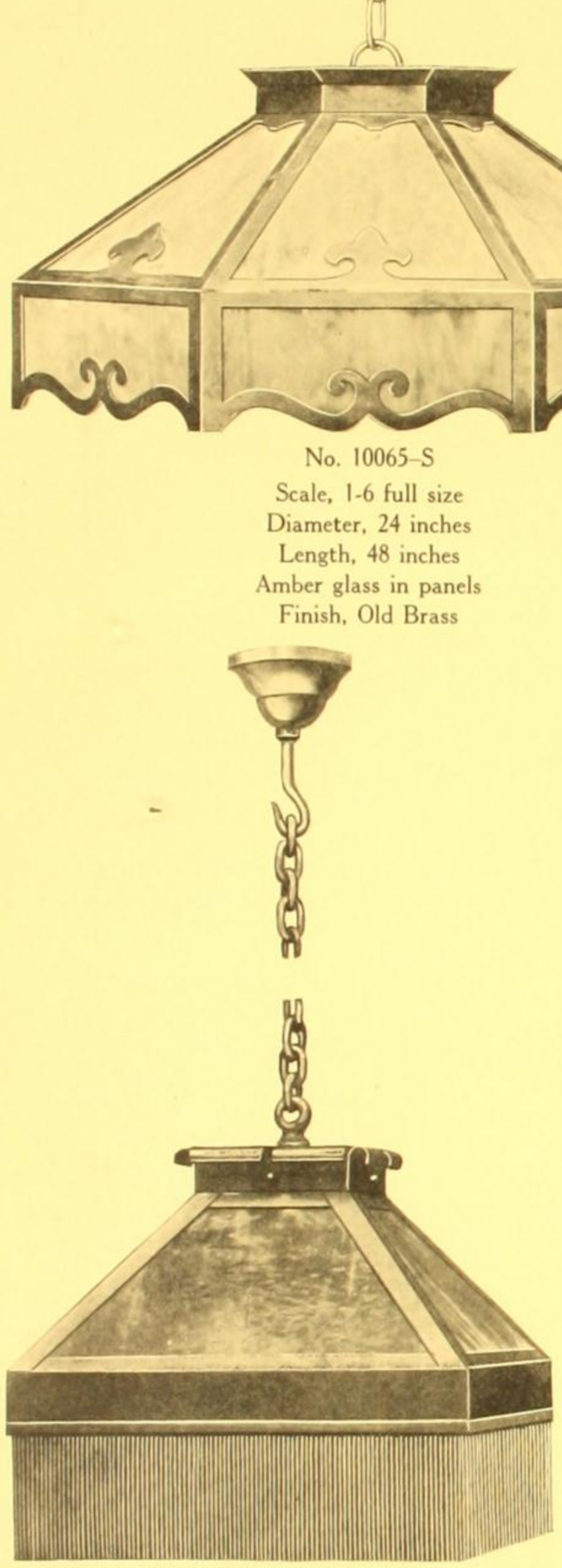
No. 10065–S
Scale, 1-6 full size
Diameter, 24 inches
Length, 48 inches
Amber glass in panels
Finish, Old Brass



No. 10059–S
Diameter, 20 inches
Length, 48 inches
Finish, Old Brass

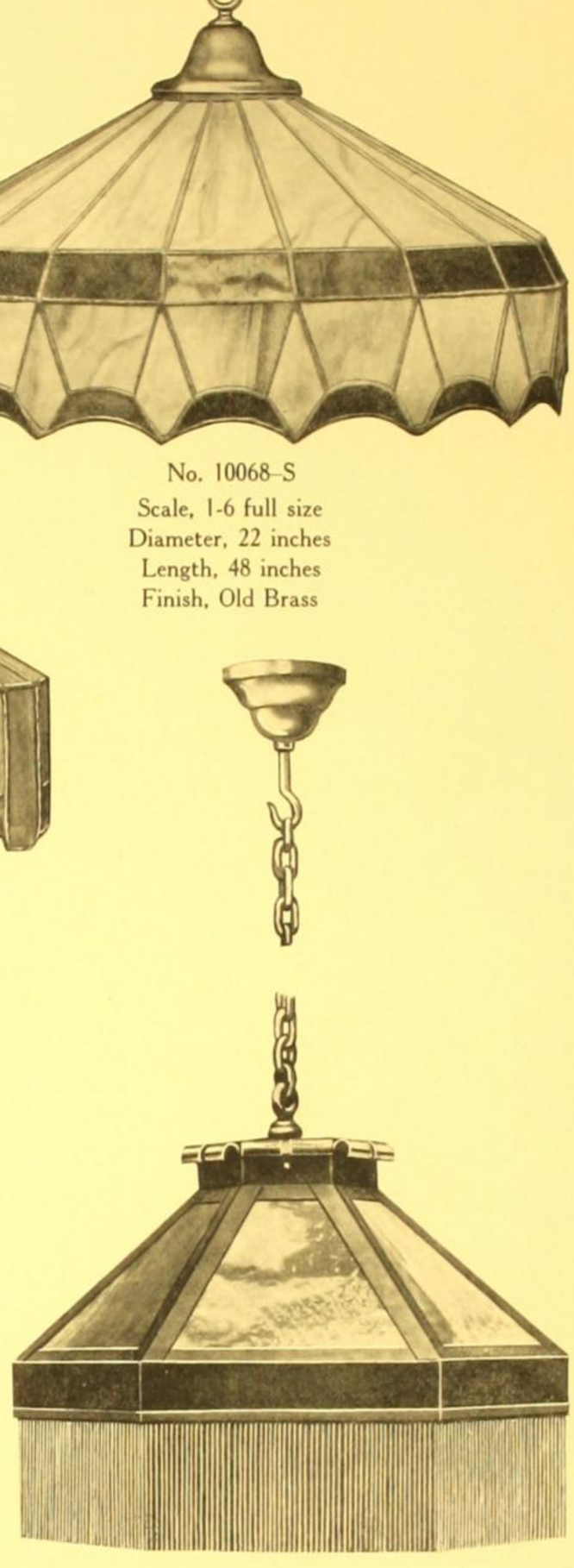


No. 10068–S
Scale, 1-6 full size
Diameter, 22 inches
Length, 48 inches
Finish, Old Brass



No. 10070–S
Scale, 1-6 full size
16 inches square
48 inches long
Finish, Black with Green Glass and Fringe
Finish, Old Brass with Amber Glass and Fringe

No. 10069–S
Scale, 1-6 full size
Diameter, 22 inches
Length, 48 inches overall
Finish, Old Brass

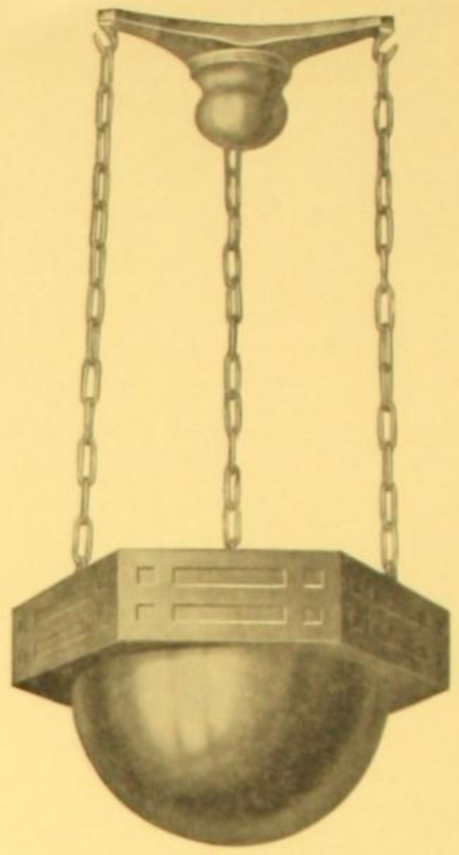


No. 10071–S
Scale, 1-5 full size
Diameter, 17 inches
Length, 48 inches overall
Finish, Black with Green Glass and Fringe
Finish, Old Brass with Amber Glass and Fringe

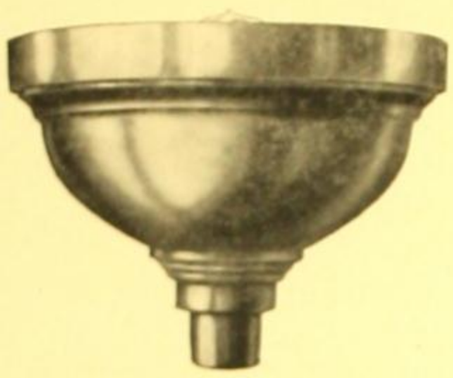
INDIRECT LIGHTING FIXTURES

No. E–414
1-Light Unit
For use with 60-, 100-, or 150-Watt Mazda Lamps
Furnished in Bronze finish complete, wired with keyless socket and silk cord

No. 534
4-Light Unit
Designed for 4 60-Watt Mazda Lamps
Diameter, 18 inches
Depth, 6 inches
Furnished in Old Brass, wired complete with keyless sockets and silk cord



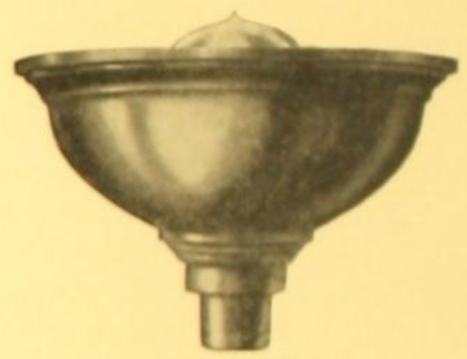
No. E–417
1-Light Unit
For use with 60-, 100-, or 150-Watt Mazda Lamps
Furnished in Old Brass complete, wired with keyless socket and silk cord



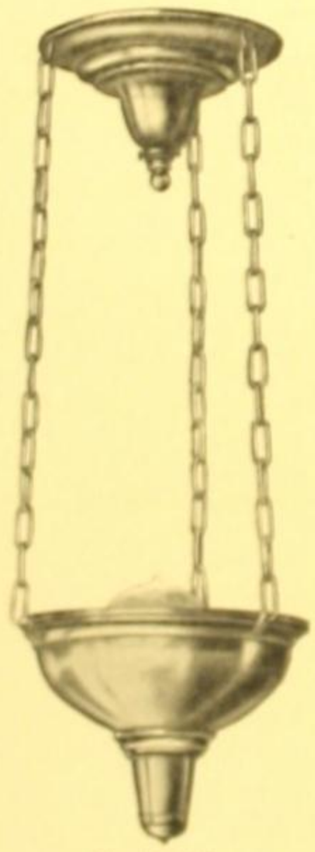
No. E–305
With No. E–200 Reflector for concentrated light

EYE COMFORT UNITS

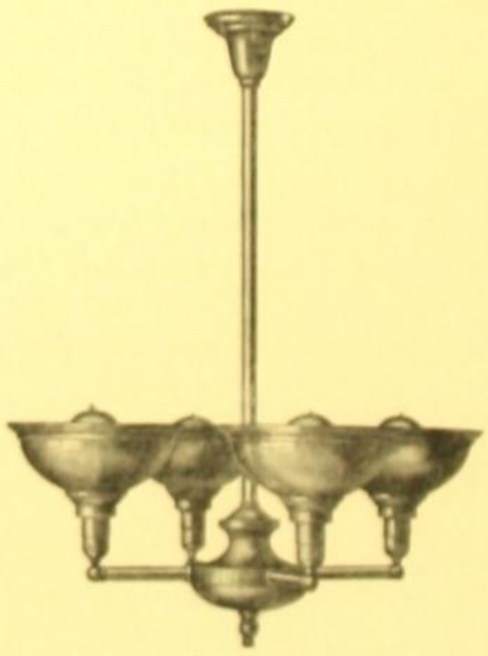
These units or adaptables can be used for equipping many styles of fixtures as shown on Fixture No. E–494. The bottom shell fits over any standard socket, so can easily be applied. Finish, Old Brass.



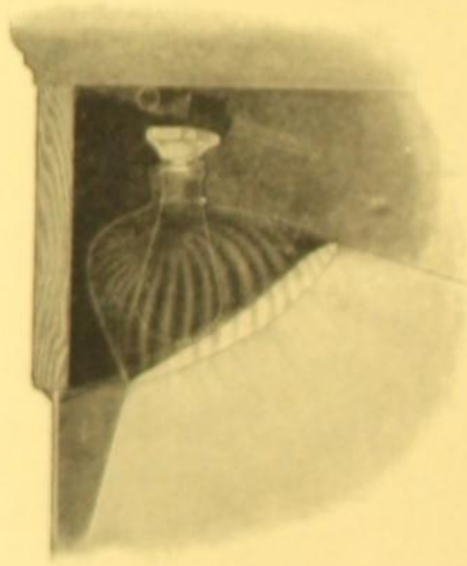
No. E–305
With No. E–100 Reflector for general light



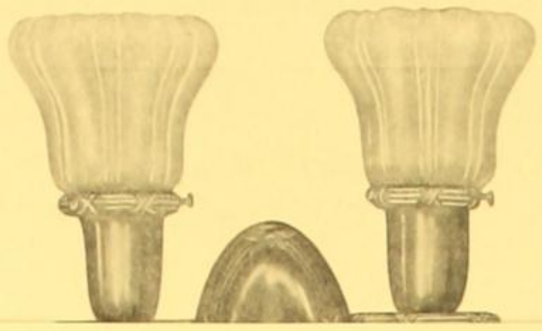
No. E–405
1-Light Unit
For use with 60- or 100-Watt Mazda Lamp
Furnished complete, wired with silk cord and keyless socket
Pull socket can be furnished if desired
Finish, Old Brass

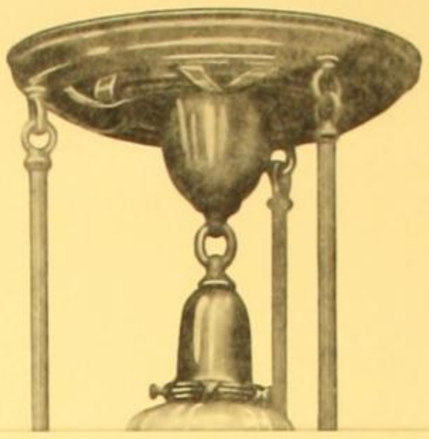


No. E–494
Eye Comfort Cluster
Illustrating the use of adaptables to the standard type of fixture



No. 777
Scoop Window Reflector
Width, 9 inches
Depth, front to back, 9 inches
Scientifically designed for window illumination





THE LATEST WORD IN LIGHTING—

INDIRECT ILLUMINATION

A RECENT scientific, radically different, and destined to be most popular method of illumination is indicated by the fixtures shown on plate 14.

This method is known as "indirect illumination," and has already been demonstrated to be unquestionably the most efficient and satisfactory method of distributing artificial light.

In this system, fixtures to support the lamps are used, and the lamps and reflectors are pointed up toward the ceiling. Thus no lamp is visible to the eye, and the light from the lamps, reflected to the ceiling at the proper angles, is then re-reflected throughout the room. Of course, the ceiling should be light in color, as the illumination of the room is accomplished by the diffused light reflected from the ceiling. And it is this diffused light, evenly distributed throughout the room, which gives results surprising in efficiency, æsthetic effect, and eye comfort.

We have said that the ceiling should be light in color in using this system, but this does not necessarily mean white. As a matter of fact, the majority of ceilings are light enough to be admirably adapted for its use. It is not essential that the walls should be of a light color, although, if they are, the absorption is less.

In perfecting such a system of indirect illumination, three factors were essential:

First.—An efficient source of light at low cost.

Second.—A reflector with an efficient reflecting surface, properly designed for this work.

Third.—Proper arrangement of the reflectors with reference to the ceilings.

The first was provided by the Mazda lamp, which, as is well known, produces approximately three times as much illumination with a given amount of current as the old carbon lamp.

The second, by a specially designed, one-piece, glass mirrored reflector, with spiral and vertical corrugations, plated with pure silver, affords a reflecting surface of absolutely unequalled efficiency. This reflector is enclosed in a suitably artistic casing.

The third element involves the application of engineering principles in directing the rays of light according to the space to be illuminated.

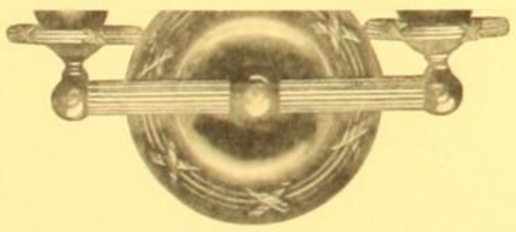
Indirect illumination has long been demonstrated successfully in the West, where a number of large corporations have so equipped their offices and manufacturing establishments. This system has also been used extensively throughout libraries, club-houses, and churches. The new Blackstone Hotel, Chicago, conceded to be the most perfectly equipped hotel in the world, is lighted throughout the main portions of the building with indirect and semi-direct illumination.

But in the East it remained for this company to become pioneers with a number of installations, all most successful.

We particularly call your attention to the John Hay Library, Brown University, Providence, R.I., which is lighted throughout by the indirect method. The lighting plan and fixtures were arranged and designed by our own engineering and designing department. In this library we have taken a reading-room 120 feet long, 60 feet wide, and 29 feet high, and furnished perfect reading light at a current consumption of *1 watt per square foot*, and we did not use a table lamp or side-wall light in the entire room. This installation alone furnishes overwhelming proof of the general economy and efficiency of indirect illumination.

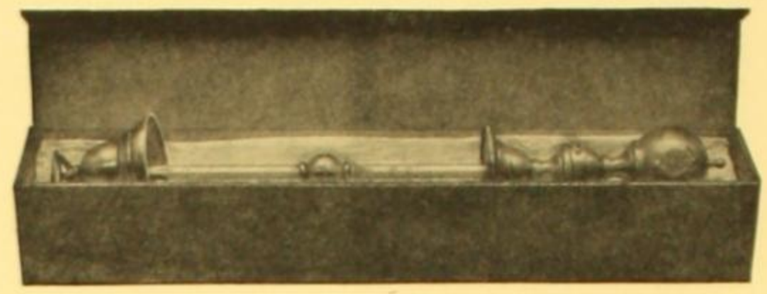
Full information as to this system of lighting will be furnished by our engineering department on request. Send the following information regarding room to be lighted:

Size of room — Height of ceiling — Shape of ceiling — Color of ceiling — Color of walls.

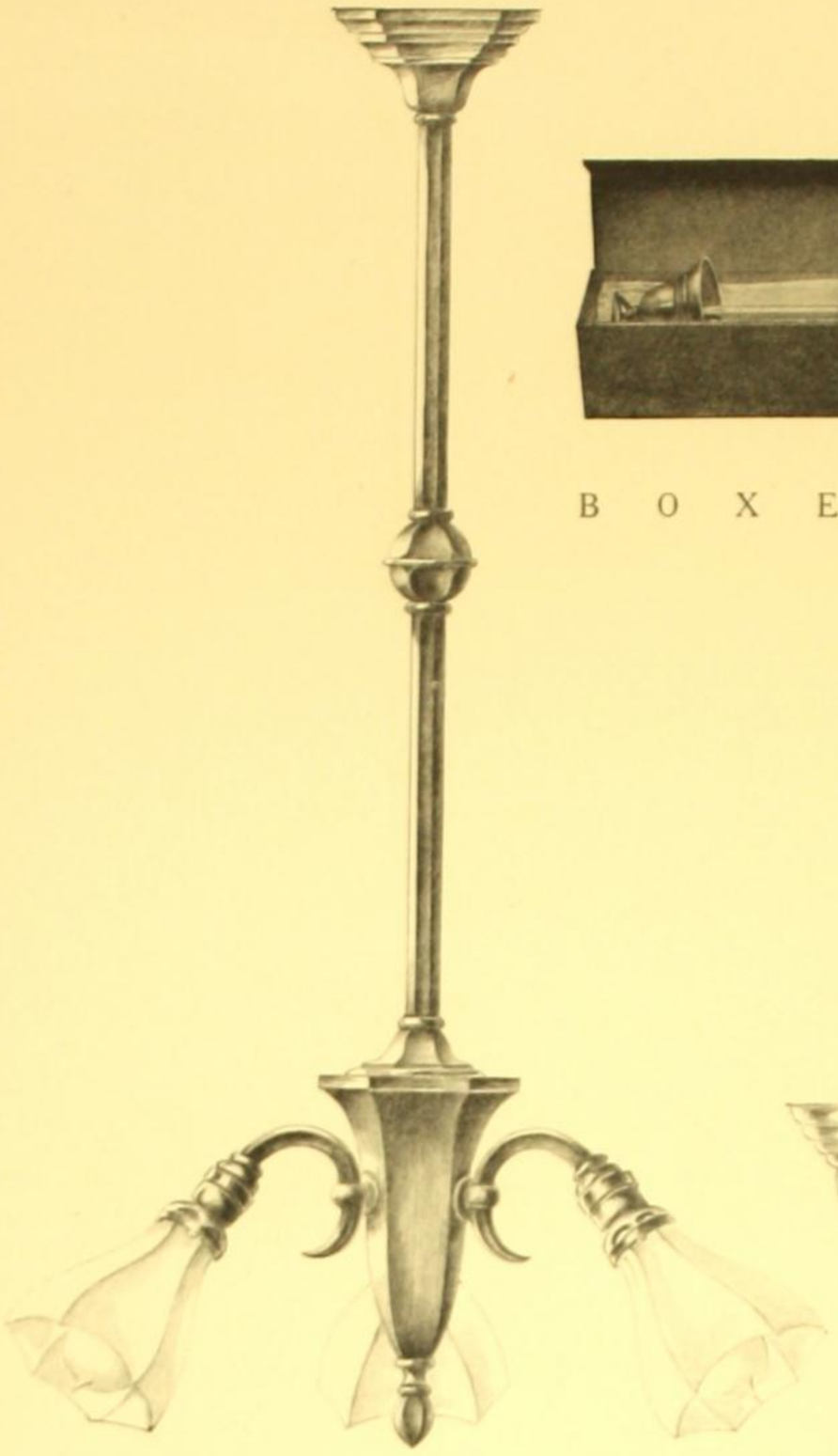


No. 15219–S
Scale, 1-5 full size
Spread, 9 1-2 inches
Finish, Old Brass and Black

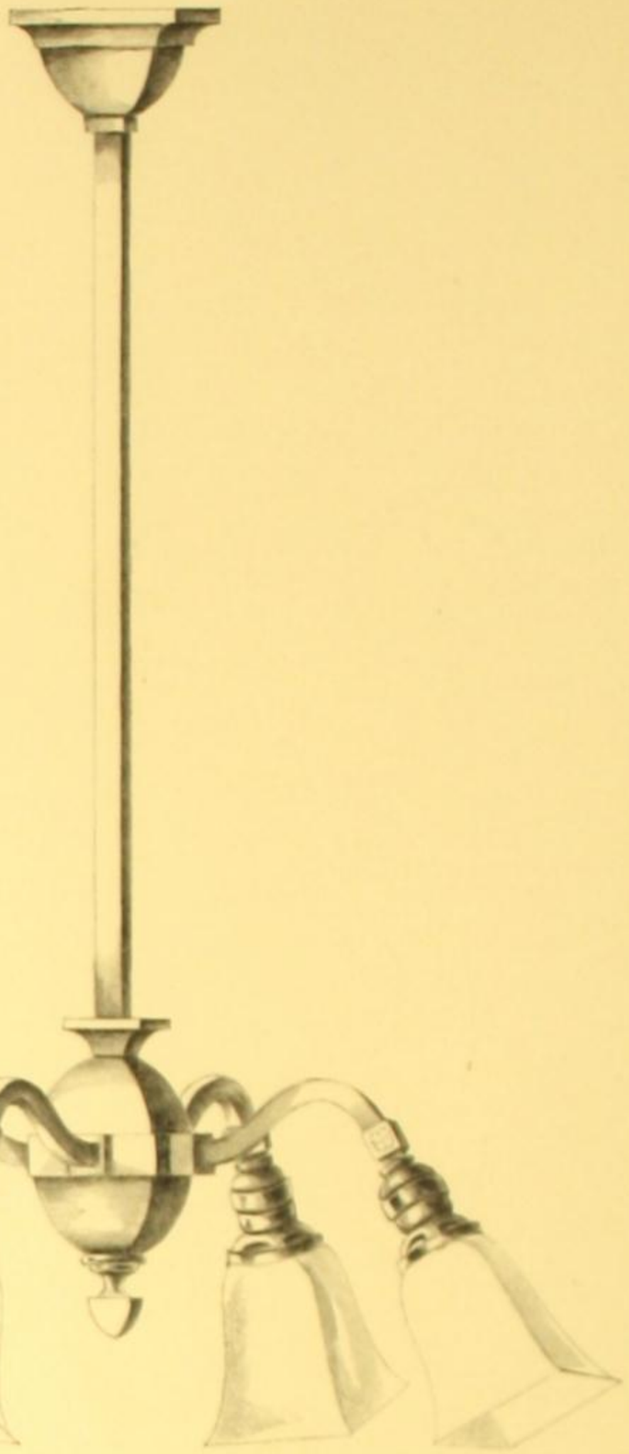
No. 13179–S
Scale, 1-5 full size
Length, 11 inches overall
Finish, Old Brass and Black



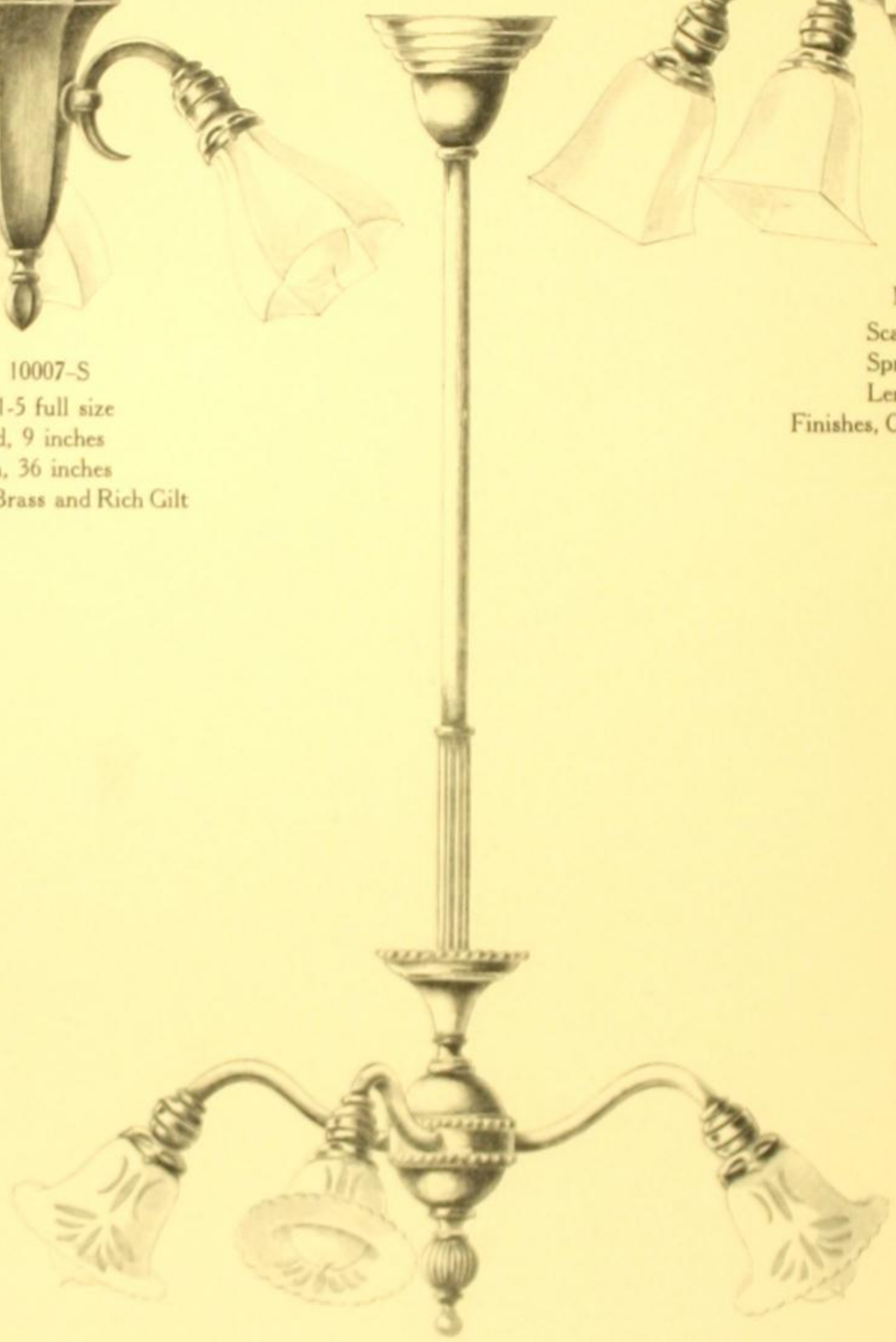
BOXED LINE



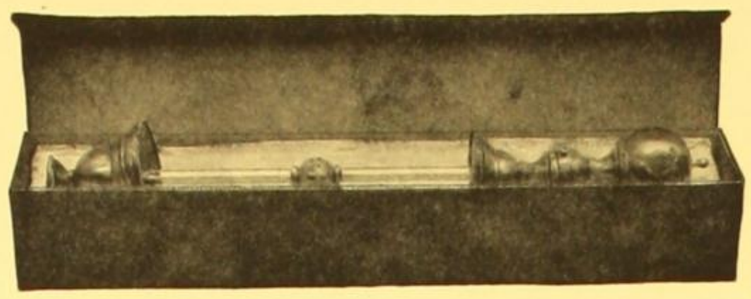
No. 10007–S
Scale, 1-5 full size
Spread, 9 inches
Length, 36 inches
Finishes, Old Brass and Rich Gilt



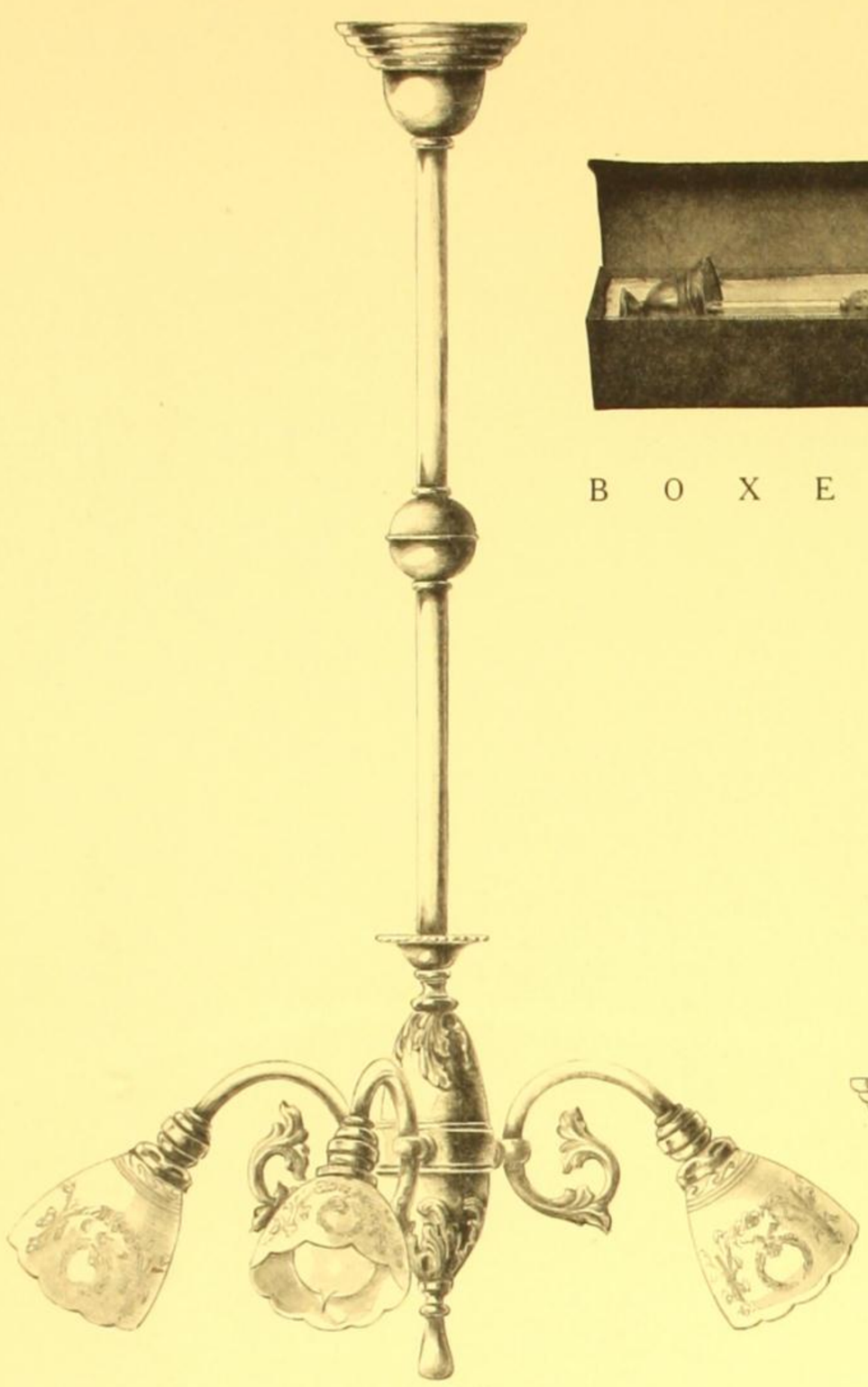
No. 10008–S
Scale, 1-5 full size
Spread, 13 inches
Length, 36 inches
Finishes, Old Brass and Rich Gilt



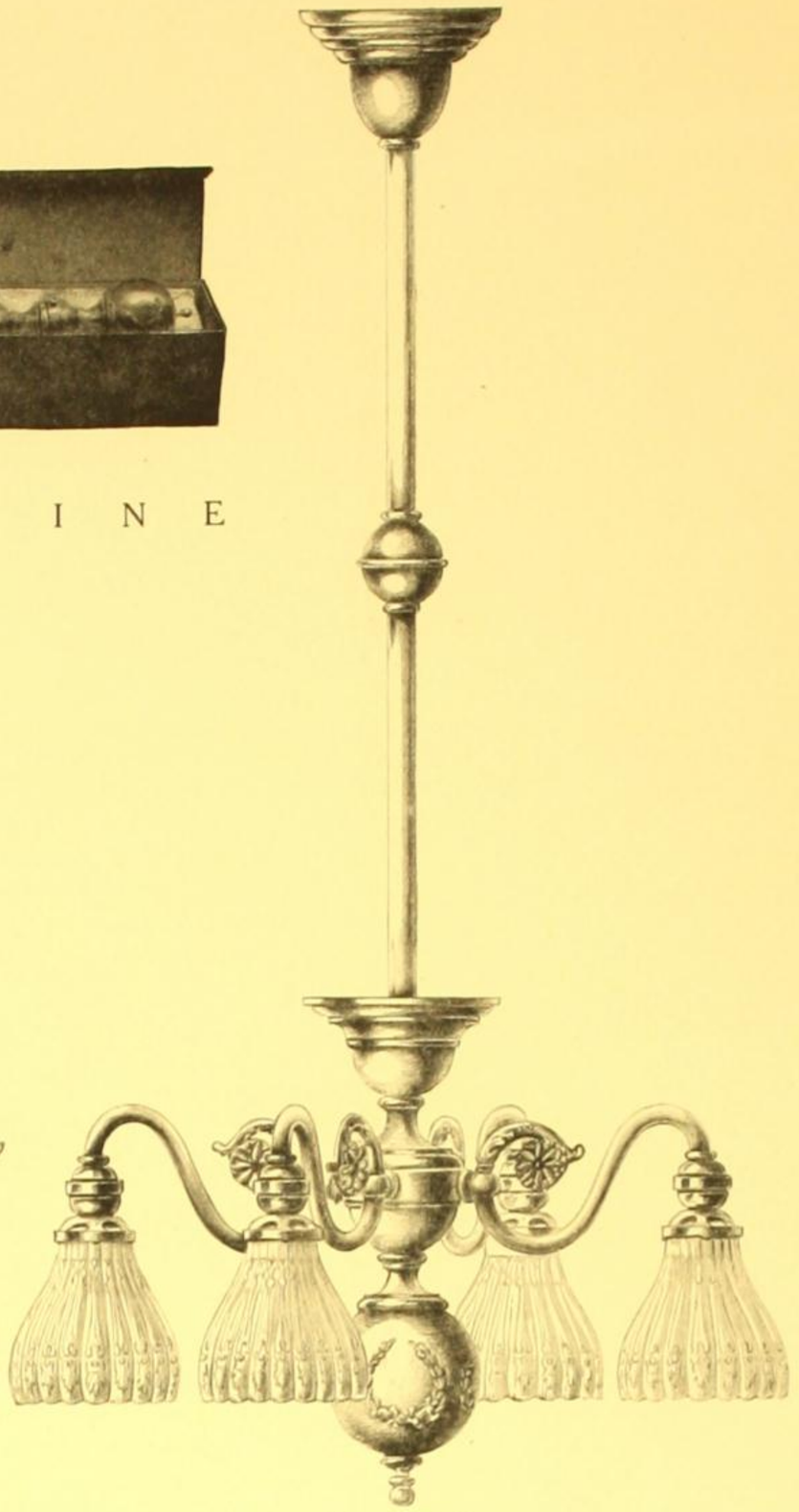
No. 10000–S
Scale, 1-5 full size
Spread, 12 inches
Length, 36 inches
Finishes, Old Brass and Rich Gilt



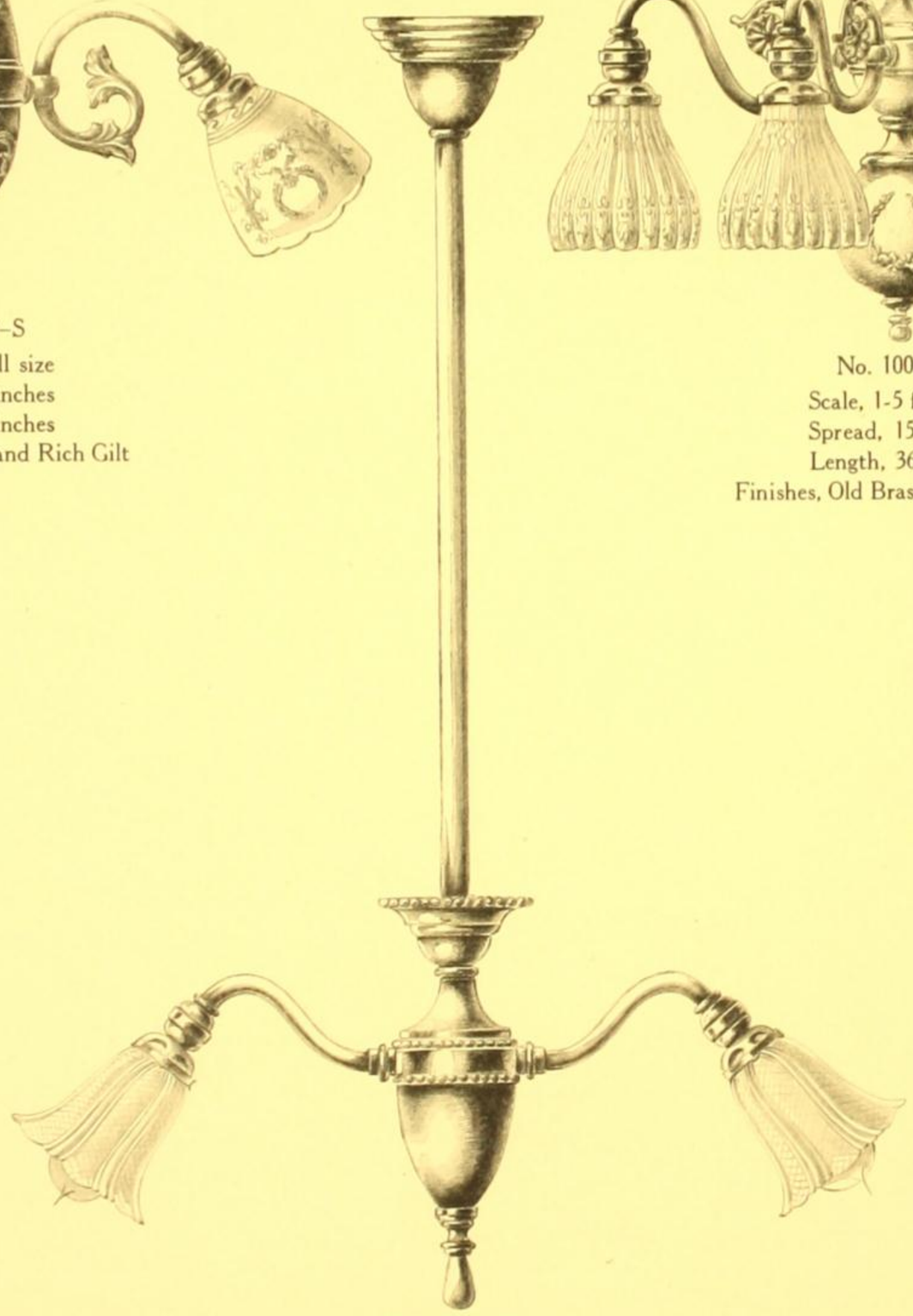
BOXED LINE



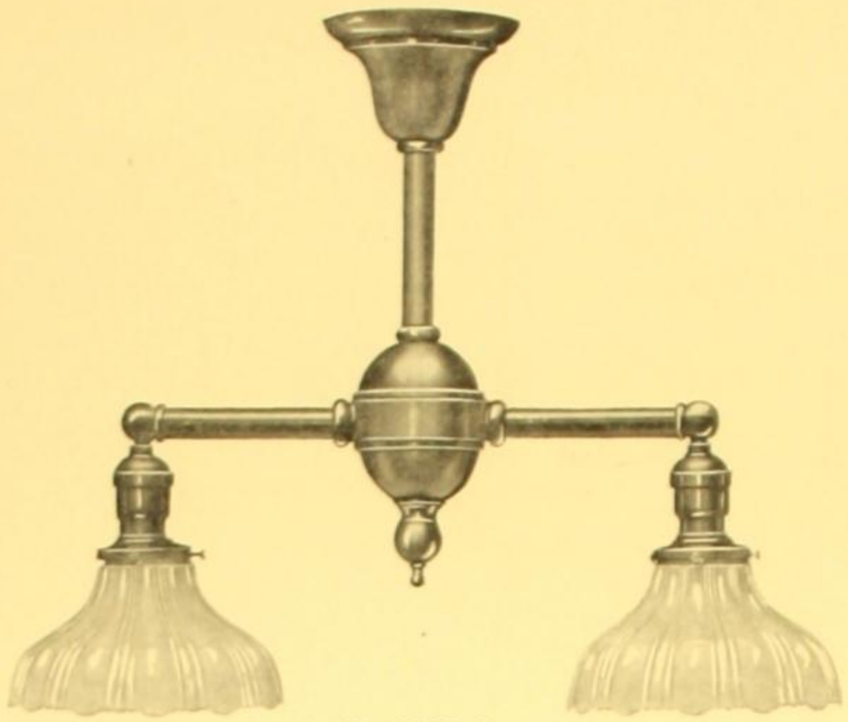
No. 10003–S
Scale, 1-5 full size
Spread, 12 inches
Length, 36 inches
Finishes, Old Brass and Rich Gilt



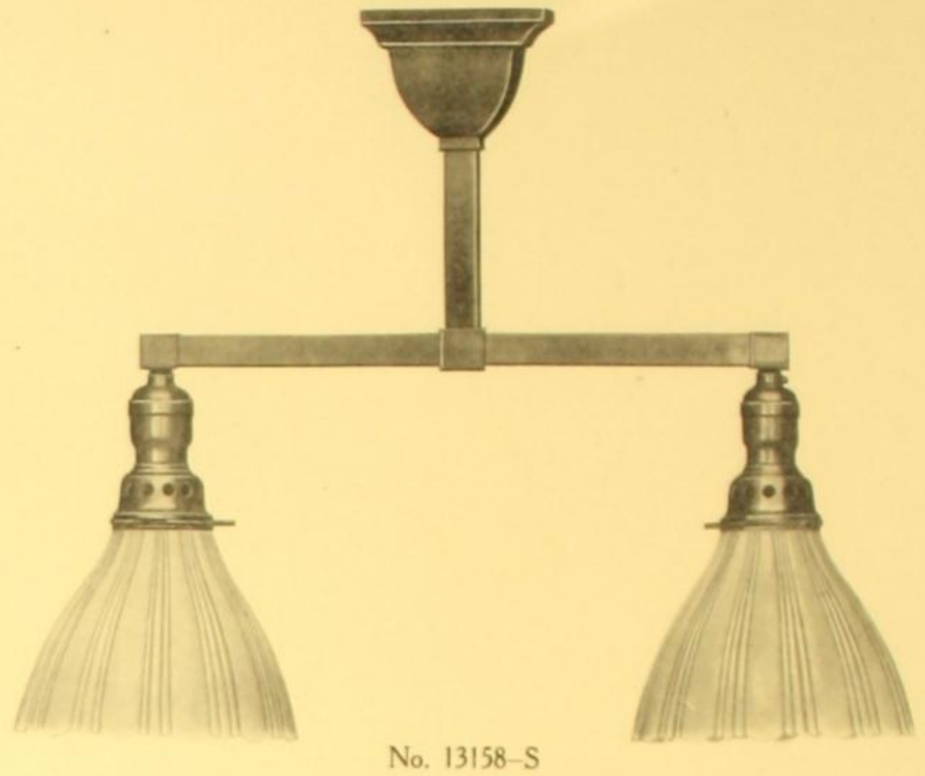
No. 10009–S
Scale, 1-5 full size
Spread, 15 inches
Length, 36 inches
Finishes, Old Brass and Rich Gilt



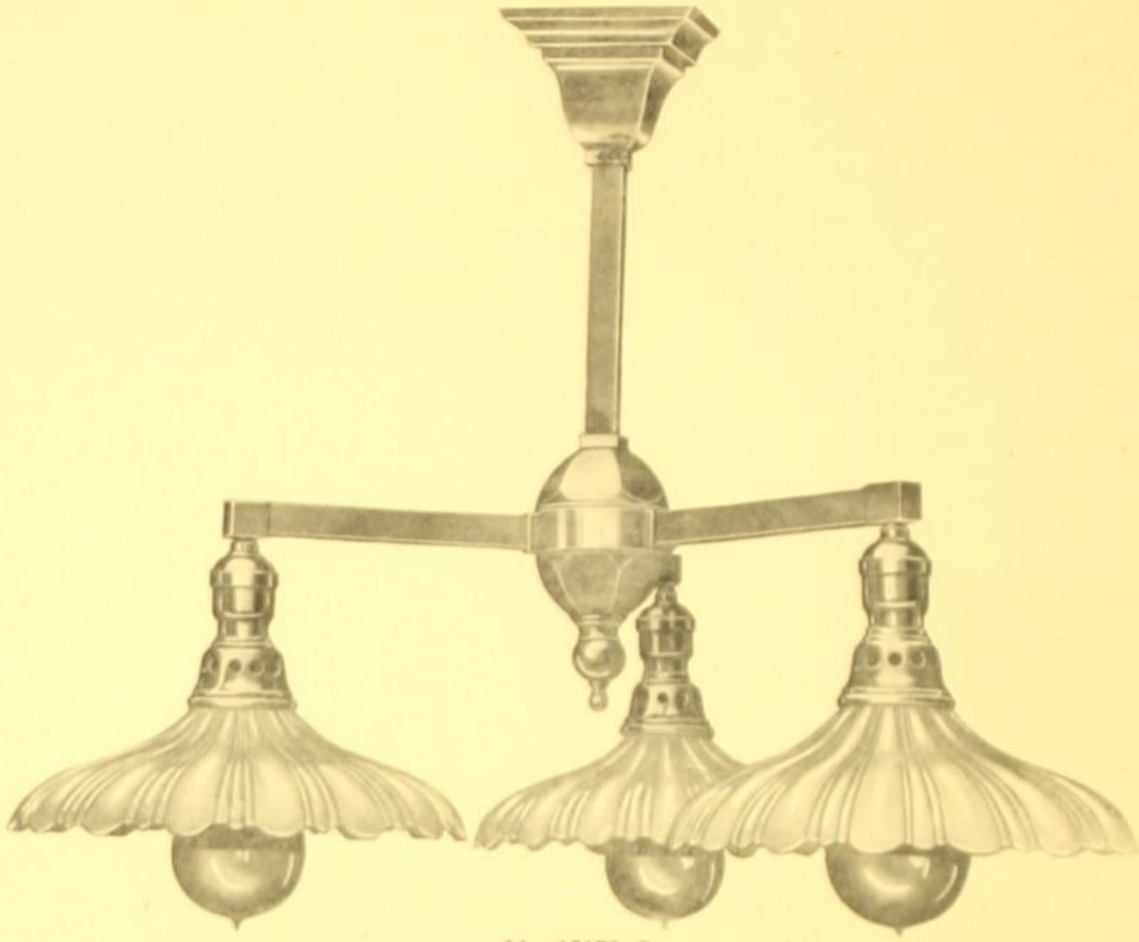
No. 10001–S
Scale, 1-5 full size
Spread, 14 inches
Length, 36 inches
Finishes, Old Brass and Rich Gilt



No. 13017–S
Scale, 1-5 full size
Spread, 14 inches
Length, 15 inches overall
Finish, Old Brass



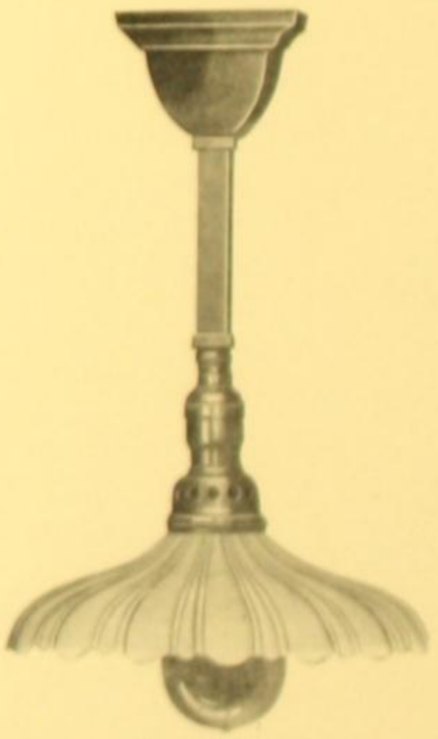
No. 13158–S
Scale, 1-5 full size
Spread, 15 inches
Length, 17 1-2 inches overall
Finish, Old Brass



No. 13172–S
Scale, 1-5 full size
Spread, 16 inches
Length, 20 inches
Finish, Old Brass

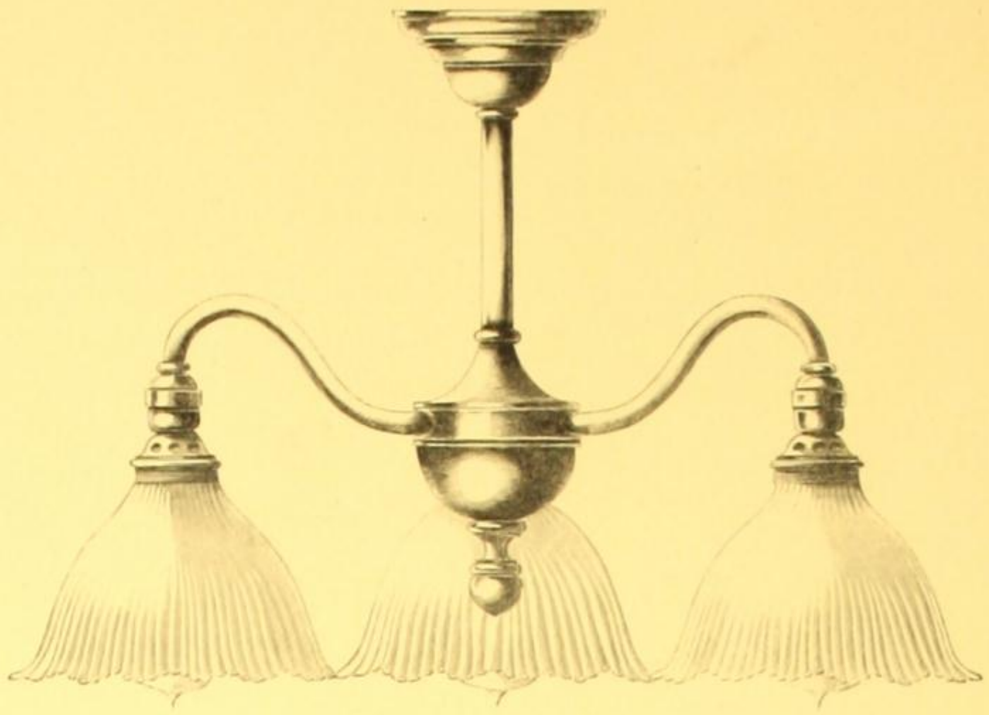
No. 13149–S
Scale, 1-5 full size
Length, 15 inches overall
Finish, Old Brass

No. 13147–S
Scale, 1-4 full size
Top, 6 1-2 inches diameter
Length, 10 inches overall
Fitted with porcelain receptacle
Finish, Old Brass



No. 13159–S
Scale, 1-5 full size
Length, 16 1-2 inches overall
Finish, Old Brass

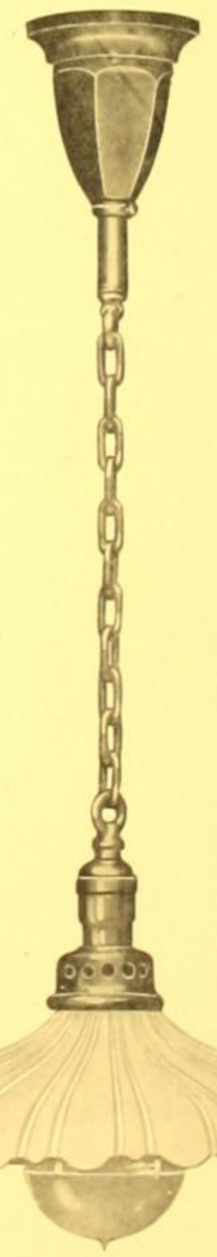
No. 13173–S
Spread, 16 inches
Length, 17 inches
Finish, Old Brass

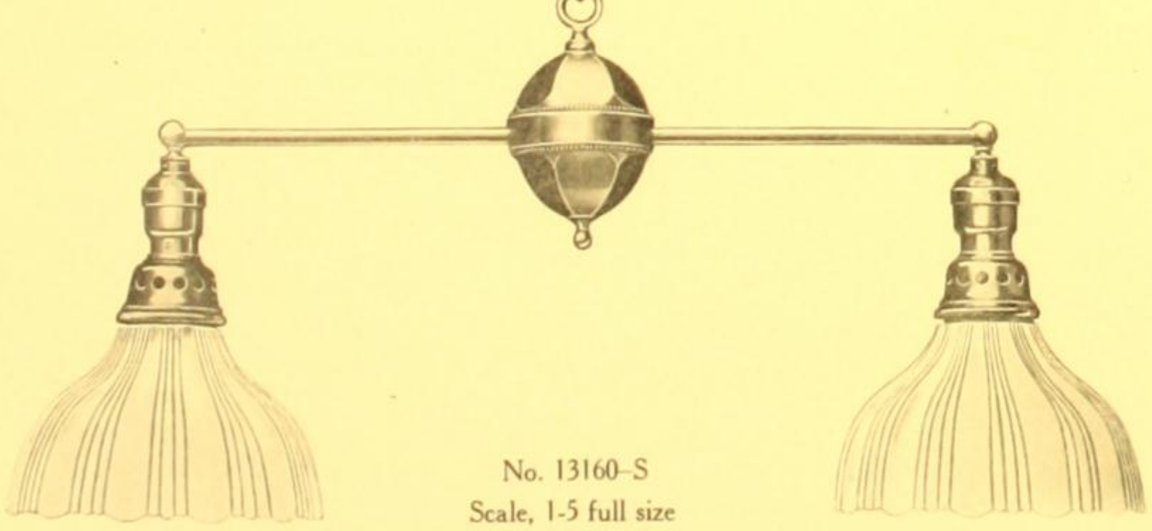


No. 13027–S
Spread, 17 inches
Length, 21 inches
Finish, Old Brass

No. B171–S
Scale, 1-4 full size
Top, 5 1-2 inches diameter
Length, 6 inches overall
Fitted with porcelain receptacle
Finish, Old Brass

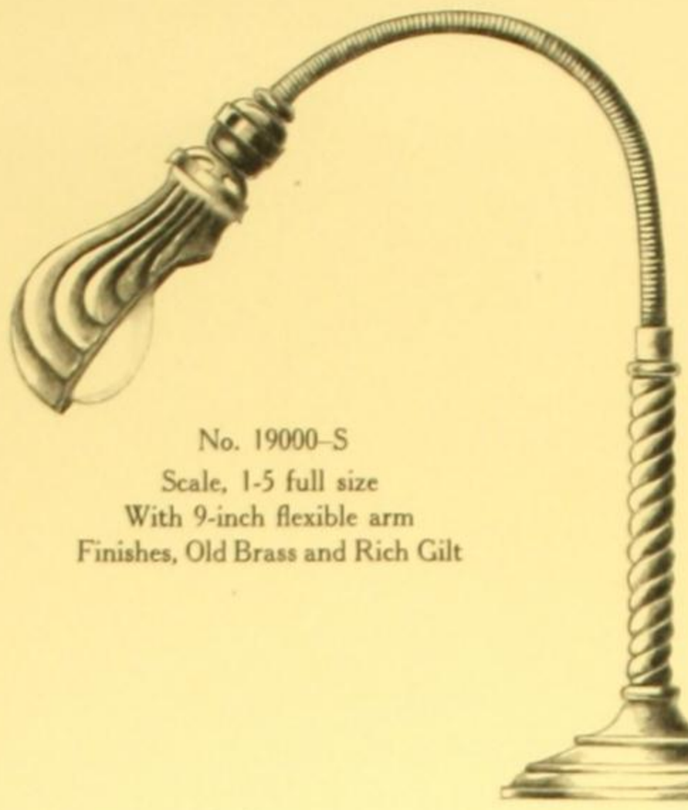
No. 13044–S
Scale, 1-5 full size
Length, 19 inches overall
Finish, Old Brass



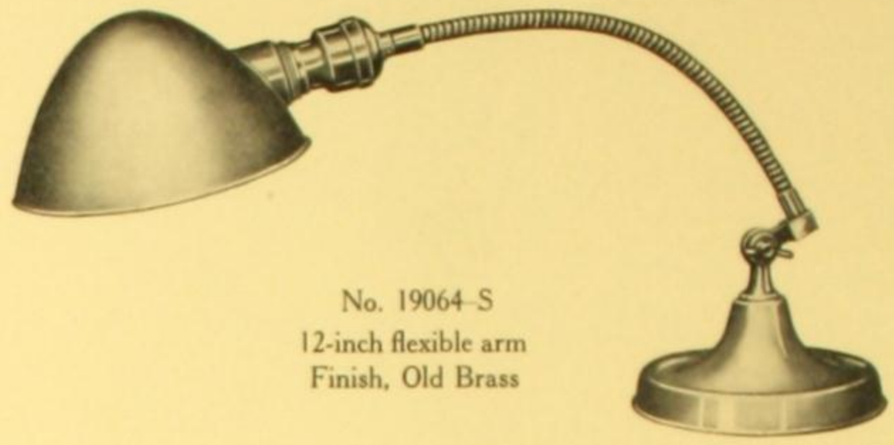


No. 13160–S
Scale, 1-5 full size
Spread, 19 inches
Length, 31 1-2 inches overall
Finish, Old Brass

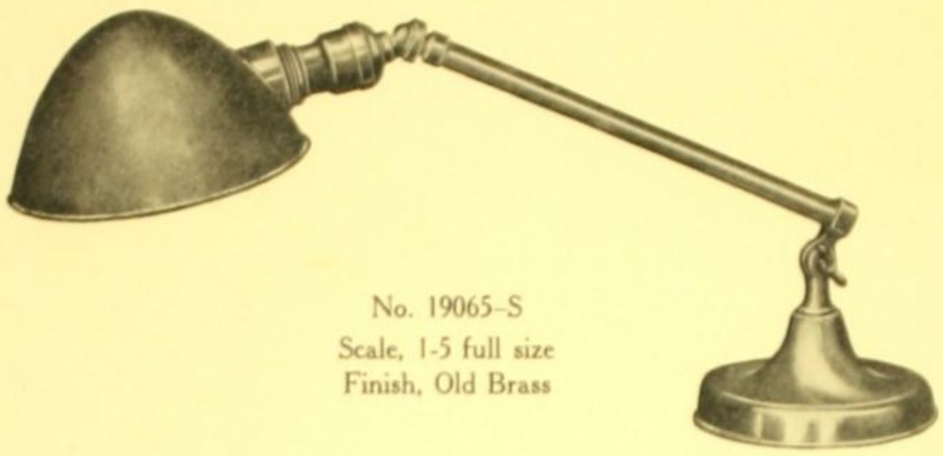
No. 13157–S
Scale, 1-5 full size
Length, 29 inches overall
Finish, Old Brass



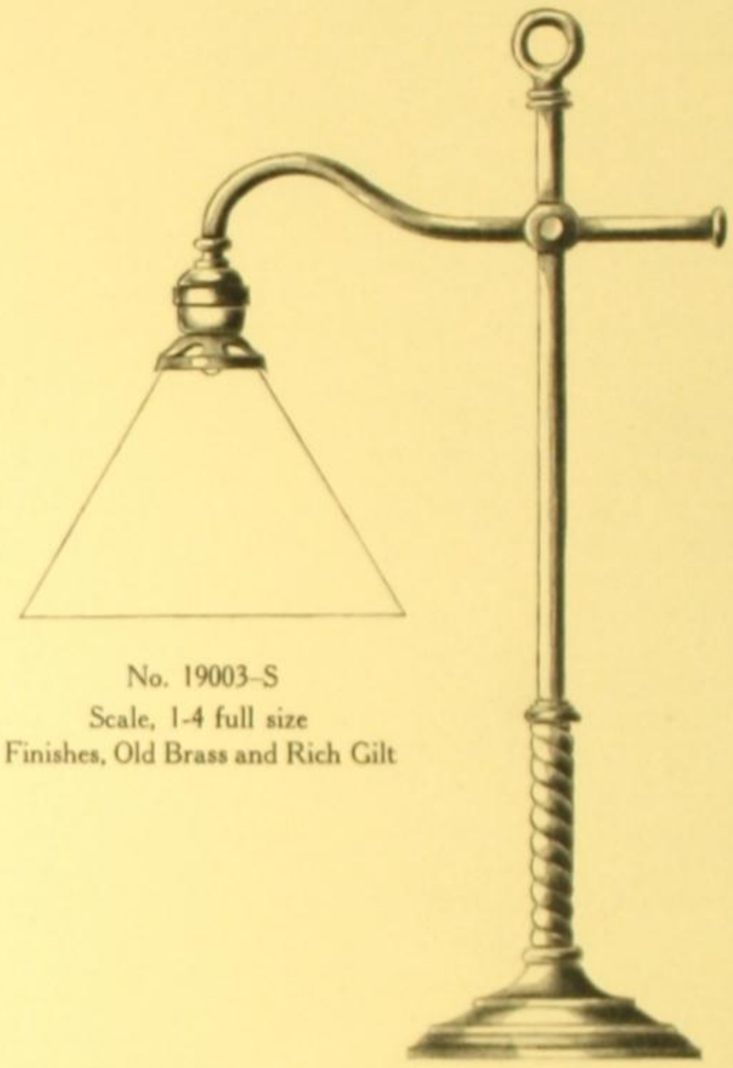
No. 19000–S
Scale, 1-5 full size
With 9-inch flexible arm
Finishes, Old Brass and Rich Gilt



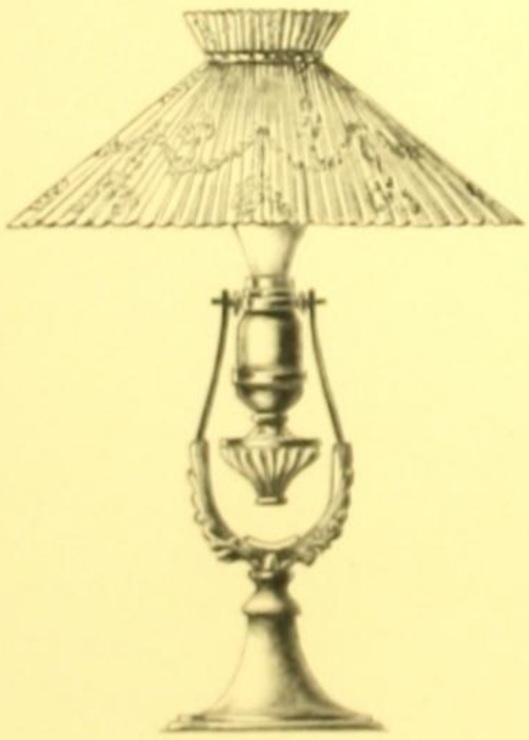
No. 19064–S
12-inch flexible arm
Finish, Old Brass



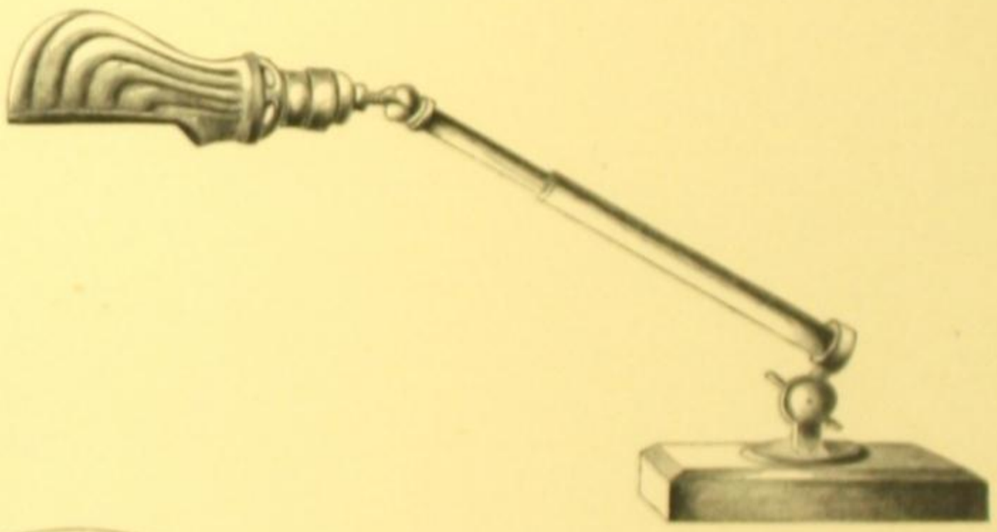
No. 19065–S
Scale, 1-5 full size
Finish, Old Brass



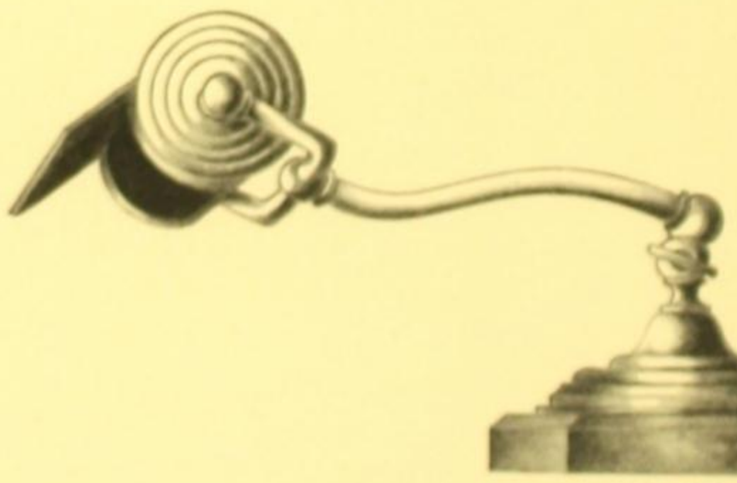
No. 19003–S
Scale, 1-4 full size
Finishes, Old Brass and Rich Gilt



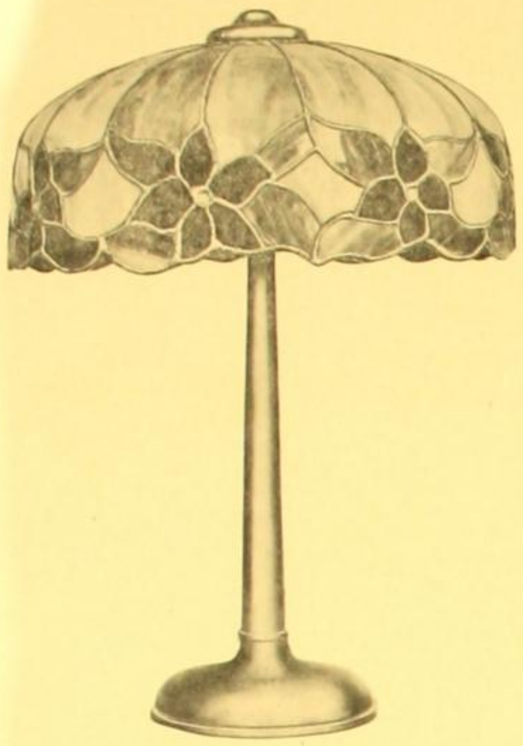
No. 19004–S
Scale, 1-4 full size
Swing portable
Finish, Old Brass



No. 19002–S
Scale, 1-4 full size
Finishes, Old Brass or Oxidized Copper

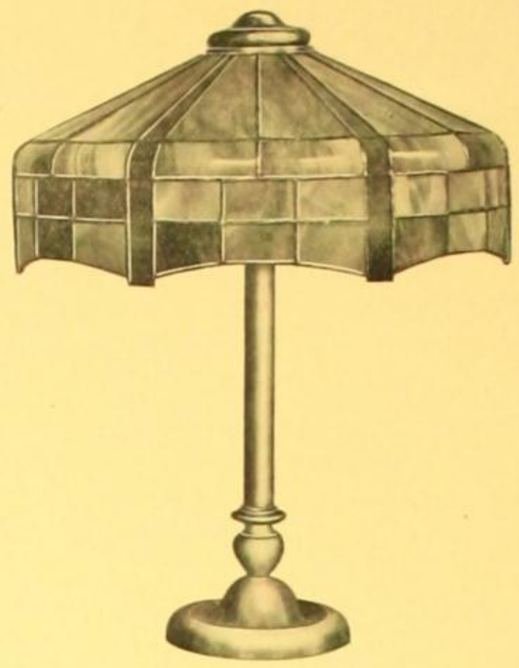


No. 19001–S
Scale, 1-4 full size
Wired complete, with socket cord and plug
Finishes, Old Brass or Oxidized Copper



No. 19048–S
Portable, 22 inches high
Shade, 16 inches diameter
Old Brass finish

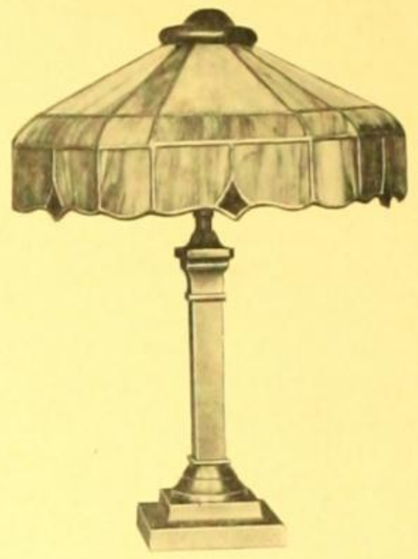
No. 19053–S
Portable, 18 inches high
Shade, 15 inches diameter
Old Brass finish



No. 19056–S
Portable, 20 inches high
Shade, 16 inches diameter
Old Brass finish

No. 19047–S
Portable, 19 inches high
Shade, 14 inches diameter
Old Brass finish

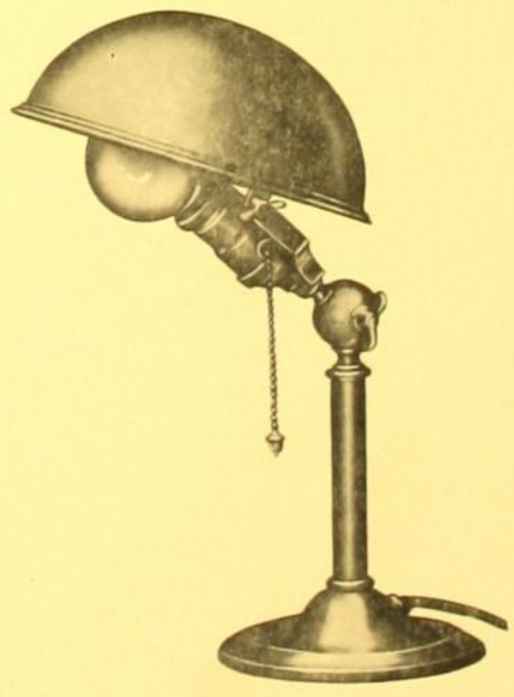
No. 19055–S
Portable, 21 1-2 inches high
Shade, 16 inches diameter
Old Brass finish



No. 19057–S
Portable, 17 1-2 inches high
Shade, 13 inches diameter
Old Brass finish

No. 19060–S
Portable, 19 inches high
Shade, 10 inches square
Old Brass finish

No. 19067–S
Scale, 1-5 full size
Portable, 20 inches overall
Green dome, 14 inches diameter



No. 19066–S
Scale, 1-4 full size
14 inches high overall
Old Brass finish

"OPALUX" REFLECTORS

"THE GLASS WITHOUT THE GLARE"

A scientifically designed reflector for use with Mazda (Tungsten) lamps, having a patented inner reflecting surface of highest efficiency. By reason of its soft, white light, which entirely avoids the harsh glare so common to most reflectors, Opalux Reflectors are used exclusively in the public schools of New York as well as in government buildings, libraries, churches, offices, and stores throughout the country.

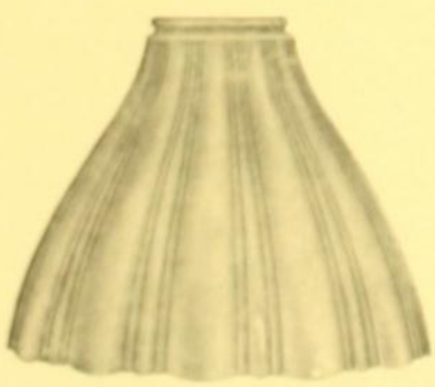
For use in show windows and other places where concentrated lighting is desired.

N–40
6 inches diameter, 4 5-8 inches high
2 1-4 inch holder
For 25- or 40-Watt Mazda Lamp

N–60
6 3-4 inches diameter, 5 3-8 inches high, 2 1-4 inch holder
For 60-Watt Mazda Lamp

N–100
7 1-4 inches diameter, 5 7-8 inches high, 2 1-4 inch holder
For 100-Watt Mazda Lamp

N–150
8 1-2 inches diameter, 6 1-2 inches high, 3 1-4 inch holder
For 150-Watt Mazda Lamp



N–250
9 1-2 inches diameter, 8 inches high
3 1-4 inch holder
For 250-Watt Mazda Lamp

For use in rooms of high studding, where general illumination is desired.

W–25
8 inches diameter, 2 1-2 inches high
2 1-4 inch holder
For 25-Watt Mazda Lamp

W–40
9 inches diameter, 2 3-4 inches high
2 1-4 inch holder
For 40-Watt Mazda Lamp

W–60
10 inches diameter, 3 1-4 inches high
2 1-4 inch holder
For 60-Watt Mazda Lamp

W–100
11 inches diameter, 4 inches high
2 1-4 inch holder
For 100-Watt Mazda Lamp

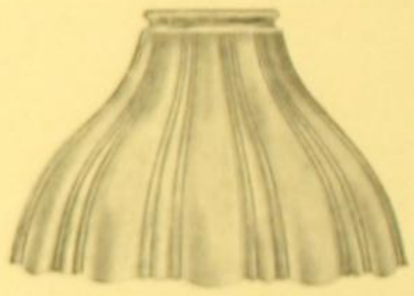
W–250
14 inches diameter, 4 3-4 inches high
3 1-4 inch holder
For 150-Watt Mazda Lamp
For 250-Watt Mazda Lamp

For use in uniformly illuminating large areas, or where lamps hang in range of vision.

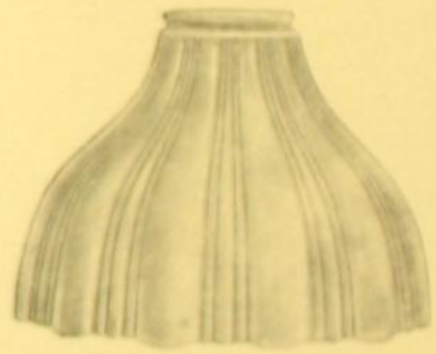
M–40
6 1-2 inches diameter, 4 1-4 inches high, 2 1-4 inch holder
For 25- or 40-Watt Mazda Lamp

M–60
7 1-4 inches diameter, 5 inches high
2 1-4 inch holder
For 60-Watt Mazda Lamp

M–100
8 inches diameter, 5 1-2 inches high
2 1-4 inch holder
For 100-Watt Mazda Lamp



M–150
9 inches diameter, 6 1-4 inches high
3 1-4 inch holder
For 150-Watt Mazda Lamp



M–250
10 inches diameter, 7 3-4 inches high
3 1-4 inch holder
For 250-Watt Mazda Lamp

No. 8774 Electric
No. 8774 1-2 Gas

No. 8714 Electric
No. 8714 1-2 Gas

No. 8532 Electric
No. 8532 1-2 Gas

No. 8565 Electric
No. 8565 1-2 Gas

No. 8517 Electric
No. 8517 1-2 Gas

No. 8586 Electric
No. 8586 1-2 Gas

No. 8556 Electric
No. 8556 1-2 Gas

No. 8776 Electric
No. 8776 1-2 Gas

No. 8719 Electric
No. 8719 1-2 Gas

No. 8573 Electric
No. 8573 1-2 Gas

No. 8721 Electric
No. 8721 1-2 Gas

No. 8506 Electric
No. 8506 1-2 Gas

No. 8750 Electric

No. 8574 Electric
No. 8574 1-2 Gas

No. 8561 Electric
No. 8561 1-2 Gas

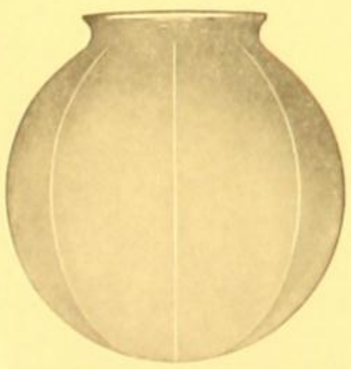
No. 8533 Electric
No. 8533 1-2 Gas

No. 8755 Electric

No. 8585 Electric

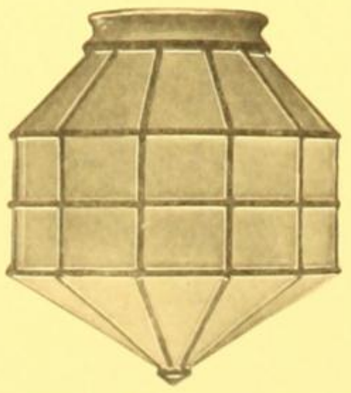
No. 8757 Electric

No. 8589 Electric



No. 8660 Roughed-inside

No. 8600 Roughed-inside



No. 8614 Roughed-inside with Black Lines

No. 8601 Roughed and cut

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" 10025-S	" 10
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" 10060-S	" 9
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